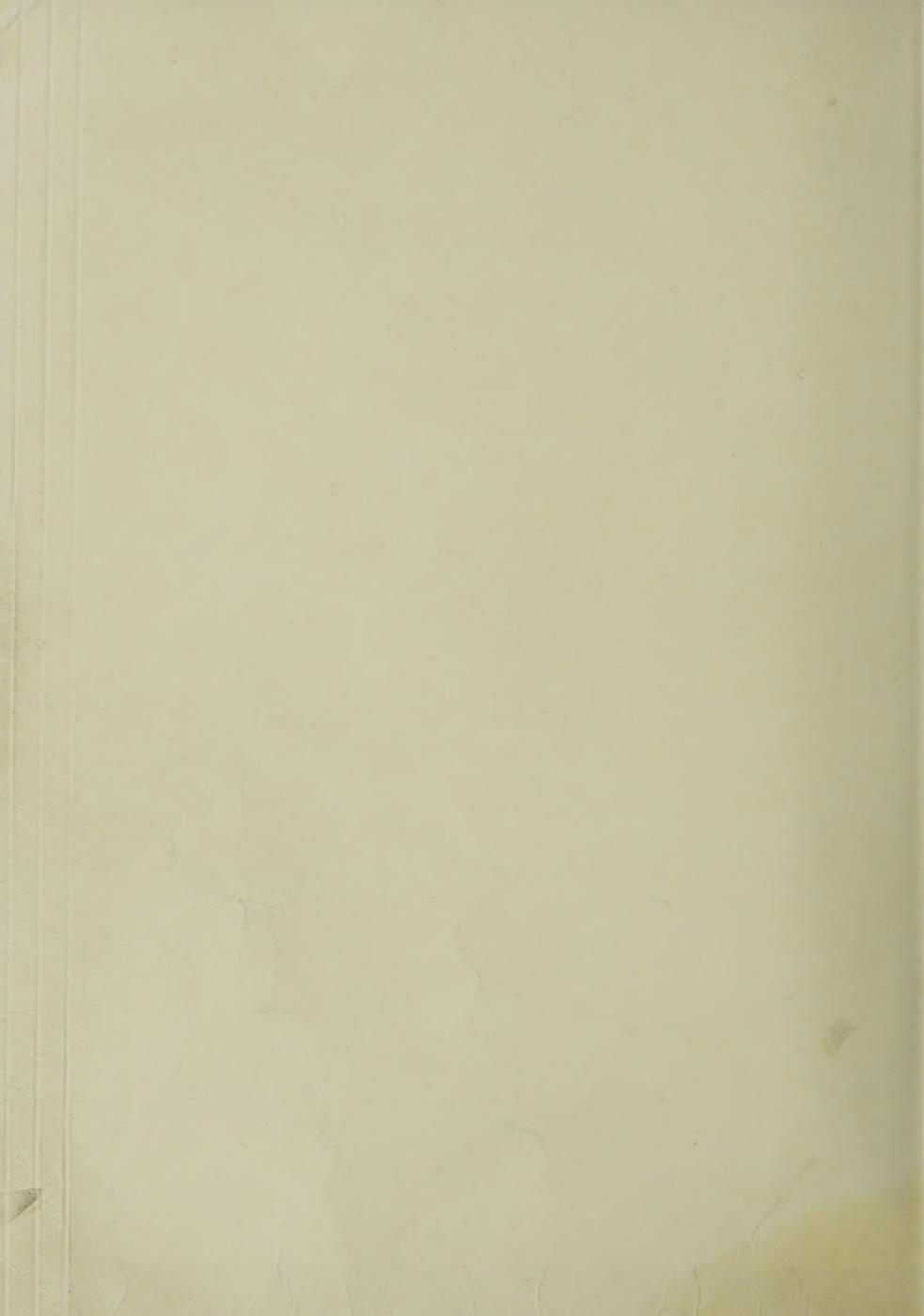
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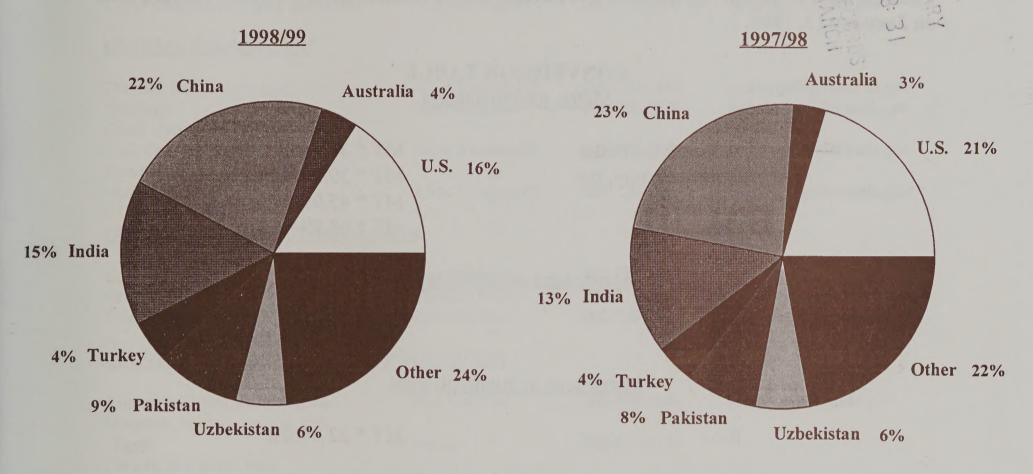
United States
Department of
Agriculture

Foreign Agricultural Service

Circular Series WAP 12-98 December 1998

World Agricultural Production

Major World Cotton Producers as Percent of World Total



World cotton production for 1998/99 is forecast at 84.2 million 480-pound bales, down 8 percent from the 1997/98 crop. World area is forecast to decrease 2 percent while the yield is down 6 percent from a year ago. The world's largest cotton producers, the United States and China, are projected to account for 38 percent of global production, down from 44 percent last year. However, U. S. output accounts for most of the decline, falling from 21 percent last year to only 16 percent for 1998/99. The top seven producers, including the United States and China, are expected to contribute 76 percent of world cotton output compared with 78 percent in 1997/98.

Of the seven major producers, only India, Pakistan, and Australia are forecast to exceed last year's output level. Production in the other major producers was down from last year because of insect damage, disease, untimely cool temperatures, drought, and/or floods. This report highlights the top seven cotton producing nations which include the United States, China, India, Pakistan, Uzbekistan, Turkey, and Australia. These countries are estimated to produce 64.4 million bales of cotton this season and are ranked based on estimated production for 1998/99.

This report draws on information from USDA's global network of agricultural attaches and counselors, official statistics of foreign governments, other foreign source materials, and results of office analysis. Estimates of U.S. acreage, yield, and production are from the USDA's Agricultural Statistics Board, except where noted. This report is based on unrounded data; numbers may not add to totals because of rounding. This report reflects official USDA estimates released in the World Agricultural Supply and Demand Estimates (WASDE-345), December 11, 1998.

This report was prepared by the Production Estimates and Crop Assessment Division (PECAD), FAS/USDA, AgStop 1045, Washington, D.C. 20250-1045. Further information may be obtained by writing to the division, by calling (202) 720-0888, or by FAX (202) 720-8880.

The next issue of World Agricultural Production will be released after 3:30 p.m. Eastern time on January 13, 1999.

CONVERSION TABLE

Metric tons to bushels

Wheat & soybeans	=	MT * 36.7437
Corn, sorghum, rye	=	MT * 39.36825
Barley	=	MT * 45.929625
Oats	=	MT * 68.894438

Metric tons to 480-lb bales

Cotton = MT * 4.592917

Metric tons to hundredweight

Rice = MT * 22.04622

Area & Weight

1 hectare = 2.471044 acres 1 kilogram = 2.204622 pounds

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For Information Contact: U.S. Department of Agriculture Foreign Agricultural Service Production Estimates and Crop Assessment Division Room 6053, South Building

Telephone: (202) 720-0888 Fax: (202) 720-8880

Washington D.C. 20250

CIRCULAR PUBLICATION			
C'-1- C-1'-4-	D D -1	Phone	E-mail
Circular Coordinator	Ron Roberson	202-720-0879	roberson@fas.usda.gov
Word Processing	Mary Jackson	202-720-0888	jacksonma@fas.usda.gov
Data Base Manager	Marnet Whittington	202-720-0886	whittington@fas.usda.gov
Cover Graphics and Data Reliability	Theresa Wright	202-720-8887	wrightt@fas.usda.gov
GENERAL INFORMATION			
Division Director (Acting)	Allen Vandergriff	202-720-0888	vandergriff@fas.usda.gov
Secretary	Mary Jackson	202-720-0888	jacksonma@fas.usda.gov
Chief - Grain, Oilseeds,			
and Cotton Branch	Allen Vandergriff	202-720-0865	vandergriff@fas.usda.gov
Chief - Crop Condition			
Assessment Branch (Acting)	Allen Vandergriff	202-720-0865	vandergriff@fas.usda.gov
COMMODITY SPECIFIC INFORMAT	ΓΙΟΝ		
Cotton Chairperson	Ron Roberson	202-720-0879	roberson@fas.usda.gov
Grain Chairperson	Timothy Rocke	202-720-1572	rocke@fas.usda.gov
Oilseeds Chairperson	Paul Provance	202-720-0881	provance@fas.usda.gov
COUNTRY AND REGION SPECIFIC	INFORMATION		
Argentina, Brazil, and Paraguay	Rao Achutuni	202-690-0140	achutuni@fas.usda.gov
Morocco, Algeria, Tunisia, and			
Egypt	Vacant	202-690-0139	
Canada, Southeast Asia,			
and Europe	Vacant	202-720-0882	
China, Koreas, Japan, and S. Africa	Paulette Sandene	202-690-0133	sandene@fas.usda.gov
Former Soviet Union, Bangladesh,			
and India	Mark Lindeman	202-690-0143	lindeman@fas.usda.gov
Mexico and United States	Ron White	202-690-0137	whiter@fas.usda.gov
Middle East and United States	John Turner	202-690-0138	turnerj@fas.usda.gov
United States and Int'l Weather	Carl Gernazio	202-690-0136	gernazio@fas.usda.gov
Australia, Bangladesh, India,	Y 6 . 16.11	000 (00 0107	116 1106
and Pakistan	Jim Crutchfield	202-690-0135	crutchfield@fas.usda.gov
Remote Sensing Specialist	Vacant	202-690-0134	

WEB SITES OF INTEREST

Foreign Agricultural Service at http://www.fas.usda.gov
FAS Weekly Weather Maps at http://www.fas.usda.gov/pecad/weather/weekly.html
National Agricultural Statistics Service at http://www.usda.gov/nass
World Agricultural Outlook Board at http://www.usda.gov/oce/waob
Economic Research Service at http://www.econ.ag.gov
Joint Agricultural Weather Facility at http://www.usda.gov/oce/waob/jawf

TABLE OF CONTENTS

December 1998

SUBJ	ECT		PAGI
PROD	UCT	TION HIGHLIGHTS FOR 1998/99	
Wh	neat		6
Co	arse (Grains	7
Ric	e		
TABL	ES		
Table	1.	U.S. Crop Acreage, Yield, and Production	
Table	2.	World Crop Production Summary	
Table	3.	Wheat Area, Yield, and Production:	
Table	4.	Total Coarse Grain Area, Yield, and Production:	
		World and Selected Countries and Regions	
Table	5.	Corn Area, Yield, and Production:	
Table	6.	Barley Area, Yield, and Production:	
Table	7.	Oats Area, Yield, and Production:	
Table	8.	Rye Area, Yield, and Production:	
Table	9.	Sorghum Area, Yield, and Production:	
		World and Selected Countries and Regions	
Table	10.	Rice Area, Yield, and Production:	
		World and Selected Countries and Regions	
Table	11.	Total Oilseed Area, Yield, and Production:	
	4.0		
Table	12.	Soybean Area, Yield, and Production:	22
Table	12	Cottonseed Area, Yield, and Production:	
Table	15.	World and Selected Countries and Regions	
Table	14.	Peanut Area, Yield, and Production:	23
Table	15.	Sunflowerseed Area, Yield, and Production:	
		World and Selected Countries and Regions	
Table	16.	Rapeseed Area, Yield, and Production:	
Table	17.	Copra, Palm Kernel, and Palm Oil Production:	
Toble	10		
rable	18.	Cotton Area, Yield, and Production:	20
		world and Selected Countries and Regions	

SUBJECT		PAG	<u>GI</u>
TABLES			
Table 19. Reliability of December Pro	oduction Projections		9
MAPS			
Man 1 World Agricultural Weather H	lighlights	3	0
	idar		
	r		
	er and Crop Highlights		
	hlights		
WEATHER BRIEFS			
	ntral Growing Area		
Northwest Africa: Rainy Season Gets C	Off to Slow Start in West		4
PRODUCTION BRIEFS			
Australia: Wheat Output Reduced Due	to Unfavorable Weather		5
	by Statistics Canada		
	red Based on Harvest Progress		
	uced		
South Africa: Corn Area Higher			6
Argentina: Grain Production Reduced 1	Due to Dryness		6
Brazil: Corn Production Estimate Lowe	ered		7
China: Late Rice Yields Boosted by Go	ood Weather		7
South Korea: Rice Output Raised			7
Bangladesh: Rice Output Lowered			8
India: Rice Production Down Due to Ex	xcess Rain		8
Egypt: Rice Output Lowered			8
•			
	ted Higher		
	Drought, Input Problems		
The state of the s	ates Revised Higher		
	gress		
Former Soviet Union: Weather and Cro	op Developments	4.	I
FEATURE COMMODITY ARTICLES	3		
Major World Cotton Producers		44	4
· · · · ·	ng		
FEATURE TABLES			
Table 21. West Africa: Area, Yield, and	d Production		3

PRODUCTION HIGHLIGHTS FOR 1998/99

December 1998

WHEAT

----- 1998/99 -----

Country	Current Estimate	Monthly Change	Monthly Change	Change from 1997/9 8	<u>Comments</u>
	MMT	MMT	(%)	(%)	
World	585.8	-2.5	-0	-4	Production is forecast lower due to a reduction in the total foreign category.
United States	69.6	NC	NC	+1	Production is unchanged this month.
Total Foreign	516.2	-2.5	-0	-5	Production is forecast lower as reductions in Australia, Russia, India, and Argentina more than offset an increase in Canada.
Australia	21.0	-1.0	-5	+8	Production is forecast lower due to excessive rainfall in News South Wales and dry conditions in Victoria.
Russia	27.0	-1.0	-4	-39	Production is estimated lower due to harvest progress reports that indicate reduced yield.
India	66.1	-1.0	-1	-5	Production is forecast down based on official reports indicating lower yield, but higher area.
Argentina	10.0	-0.5	-5	-32	Production is forecast lower due to dryness in southern Buenos Aires province that reduced harvested area and yield potential.
Canada	24.4	+1.1	+5	+0	Production is estimated higher based on a Statistics Canada report indicating increased area and yield.

COARSE GRAINS

----- 1998/99 ------

				Change from	
	Current	Monthly	Monthly	<u>1997/9</u>	
Country	Estimate	Change	Change	8	Comments
	MMT	MMT	(%)	(%)	
World	882.2	-1.7	-0	-0	Production is forecast lower due to a reduction in the total foreign category.
United States	273.7	NC	NC	+3	Production is unchanged this month.
Total Foreign	608.5	-1.7	-0	-2	Production is forecast lower as decreases in Argentina, Brazil, Ukraine, and Russia more than offset increases in Canada, Romania, and South Africa.
Argentina	17.5	-1.5	-8	-29	Production is forecast lower as corn area and yield are reduced due to continued dry weather.
Brazil	34.3	-1.0	-3	+8	Production is forecast lower as dry weather at planting has forced producers to plant less corn area.
Ukraine	10.3	-0.8	-7	-33	Production is estimated lower due to harvest reports indicating lower yields.
Russia	20.9	-0.2	-1	-49	Production is estimated lower due to lower corn yield caused by drought.
Zambia	1.1	-0.2	-16	+49	Production is forecast lower as fertilizer and input shortages continue to plague producers.
Australia	8.1	-0.2	-2	-14	Production is forecast lower due to an ABARE report indicting a decrease in barley yield.
Canada	26.5	+1.3	+5	+6	Production is estimated higher due mainly to record corn yield and output as reported by Statistics Canada.
Romania	9.8	+0.6	+7	-35	Production is estimated up as preliminary harvest results indicate higher corn area and yield.
South Africa	9.6	+0.5	+6	+19	Production is forecast higher due to an upward adjustment in corn area due to favorable weather during planting.

RICE (MILLED BASIS)

----- 1998/99 -----

Country	Current Estimate	Monthly Change	Monthly Change	Change from 1997/9 8	<u>Comments</u>
	MMT	MMT	(%)	(%)	
World	377.4	+0.7	+0	-2	Production is forecast higher due to an increase in the total foreign category.
United States	5.9	NC	NC	+1	Production is unchanged this month.
Total Foreign	371.5	+0.7	+0	-2	Production is forecast higher as increases in China, Vietnam, and South Korea more than offset decreases in India, Egypt, and Bangladesh.
China	133.0	+1.0	+1	-5	Production is forecast higher based on an increase in yield due to favorable rainfall and no reports of pest problems in the late-rice crop.
Vietnam	18.5	+0.5	+3	-2	Production is forecast higher, in part, due to reports of record yield for the 10 th month crop. Also, last season's output is revised higher.
South Korea	5.0	+0.3	+6	-8	Production is forecast higher due to an increase in potential yield. Typhoon damage was not as-bad-as previously estimated and reports of much higher input use buoyed production prospects.
India	81.0	-0.5	-1	-1	Production is forecast lower as heavy post monsoon rain at harvest negatively affected yield. In addition, last year's crop is revised lower based on official data.
Egypt	3.1	-0.4	-11	-15	Production is forecast lower as producers reduced area in expectation that government fines would be levied against expanded area. However, yield is at a record level due to increased use of high yielding varieties.
Bangladesh	17.8	-0.3	-1	-5	Production is forecast lower due to damages caused by excessive rainfall during the aman harvest and insect problems.

OILSEEDS

----- 1998/99 ------

Country	Current Estimate	Monthly Change	Monthly Change	Change from 1997/98	<u>Comments</u>
	MMT	MMT	(%)	(%)	
World	288.0	-0.0	-0	+1	Production is estimated down slightly as a decrease in the total foreign category more than offset an increase in the United States.
United States	84.2	+0.1	+0	+1	Production is estimated up slightly due to higher cottonseed output.
Total Foreign	203.8	-0.1	-0	+1	Production is estimated lower as decreases in the Former Soviet Union and India more than offset increases in Canada, Argentina, and South Africa.
FSU-12	8.9	-0.7	-7	-3	Production is estimated lower based on harvest results indicating that Russian and Ukranian sunflower yields were hurt more by the summer drought than previously estimated.
India	26.7	-0.4	-1	+10	Production is estimated lower due primarily to unfavorable weather that reduced peanut output. Cottonseed production is estimated higher, while soybean and rapeseed output are estimated lower.
Italy	2.1	-0.1	-5	+12	Production is estimated lower due to unfavorable growing and harvest weather for the soybean crop.
Canada	10.5	+0.5	+5	+14	Production is estimated higher based on a survey by Statistics Canada which showed higher area and yields for rapeseed and soybeans.
Argentina	24.8	+0.4	+2	-2	Production is forecast higher because of increased soybean planted area. Dry conditions in some areas caused producers to shift area into soybeans from corn.
South Africa	1.2	+0.4	+45	+33	Production is forecast higher based primarily on increased planting intentions for sunflowerseed.
Germany	3.4	+0.1	+3	+15	Production is estimated up based on a higher official rapeseed production estimate.

PALM OIL

----- 1998/99 ------

				Change from	
Country	Current Estimate	Monthly Change	Monthly Change	1997/9 <u>8</u>	<u>Comments</u>
	MMT	MMT	(%)	(%)	
World	17.7	NC	NC	+5	No change this month. Production is estimated at a record.

COTTON

----- 1998/99 -----

Country	Current Estimate	Monthly Change	Monthly Change	Change from 1997/98	<u>Comments</u>
	MBALES	MBALES	(%)	(%)	
World Total	84.2	+0.5	+1	-8	Production is forecast higher due to increases in the United States and the total foreign category.
United States	13.5	+0.2	+2	-28	Production is estimated up due to a slight increase in yield, mainly in Texas.
Total Foreign	70.8	+0.3	+0	-3	Production is forecast higher as increases in India and Australia more than offset losses in Egypt and other minor producers.
India	13.0	+0.5	+4	+6	Production is forecast higher due to record area and increased yield potential as favorable weather allowed for additional pickings in the central cotton zone states.
Australia	3.3	+0.1	+3	+8	Production is estimated up reflecting an increase in rain fed area due to abundant rainfall.
Egypt	1.1	-0.2	-13	-32	Production is forecast down due to decreased yield potential as unfavorable hot weather reduced yield potential during the latter portion of the growing season.

TABLE 1

U.S. Crop Acreage, Yield, and Production

	٩	Planted Area	o	Harv	Harvested Area	ğ		Yield				Production	ıction	
СОММОБІТУ	1996/97	Prel. Proj. 1996/97 1997/98 1998/99	Proj. 1998/99	Prel. 1996/97 1997/98	0.00	Proj. 1998/99	Prel. 1996/97 1997/98	Prel. 1997/98	1998/99 Nov.	1998/99 Proj. Nov. Dec.	1996/97	Prel. 1997/98	1998/99 Proj. Nov. Dec	39 Proj. Dec.
	N	Million acres	8	Mill	Million acres		!	Bushels per acre	er acre			Million bushels	onshels	
All Wheat	75.6	71.0	66.2	62.9	63.6	59.1	36.3	39.7	43.3	43.3	2,285	2,527	2,557	2,557
Winter	52.0	48.3	46.8	39.7	41.8	40.2	37.2	45.0	46.9	46.9	1,478	1,883	1,887	1,887
Other	23.6	22.7	19.4	23.2	21.8	18.9	34.8	29.5	35.4	35.4	807	644	029	029
Soybeans	64.2	70.6	72.7	63.4	9.69	71.6	37.6	38.8	38.6	38.6	2,382	2,703	2,763	2,763
Corn	79.5	80.2	80.8	73.1	73.7	73.8	127.1	127.0	133.3	133.3	9,293	9,366	9,836	9,836
Sorghum	13.2	10.1	9.7	11.9	9.4	7.8	67.5	69.5	66.5	66.5	803	653	521	521
Barley	7.1	6.9	6.5	8.9	6.4	0.9	58.5	58.3	59.9	59.9	396	374	358	358
Oats	4.7	5.2	4.9	2.7	2.9	2.8	57.8	60.5	60.5	60.5	155	176	170	170
							T	Pounds per acre	er acre			Million CWT	CWT	
Rice	2.8	3.1	3.2	2.8	3.0	3.2	6,121	5,896	2,660	2,660	171.3	178.9	180.4	180.4
											Mil	lion 480-p	Million 480-pound bales	:- S
All Cotton	14.6	13.8	12.9	12.9	13.3	10.4	707	089	612	621	18.9	18.8	13.2	13.5

December 1998

TABLE 2
World Crop Production Summary

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pel. 886.5 671.7 261.2 251.7 201.2 201.0 2.0 2.0 201.0	Coarse Grains	000		2676	000	3 50	0 00	6	10 E	F 2 4	7	C 7C	ď	4	7	0	27.0	-	0	o c	102 7
proj. 883.9 6 for 2 273.7 25.2 25.1 104.1 2.9 49.7 40.8 135.7 30.9 6.3 1.9 4.7 19.0 35.3 8.3 9.1 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1	1997/98 prel.	886.5		265.4	25.1	23.2	109.4	2.2	58.5	67.9	114.7	31.3	5.7	0.1	3.9	24.7	31.8	9.5	8.1	8.1	95.3
64) 882.2 610.2 273.7 25.5 25.1 104.1 2.9 49.7 40.8 135.7 30.9 6.3 1.9 4.7 19.0 35.3 8.3 9.1 1 882.2 608.5 273.7 26.5 25.1 104.2 2.9 50.3 39.8 135.7 30.9 6.3 1.9 4.7 19.0 35.3 8.3 9.1 1 882.2 608.5 273.7 26.5 25.1 104.2 2.9 50.3 39.8 135.7 30.9 6.3 1.9 4.7 17.5 34.3 8.1 9.6 1 882.2 374.7 5.5 0.0 0.3 1.6 0.0 0.0 0.7 136.6 81.3 32.1 4.3 13.7 0.8 6.5 1.0 0.0 882.2 376.5 370.7 5.9 0.0 0.3 1.6 0.0 0.0 0.8 132.0 81.5 33.0 4.6 15.0 0.9 6.8 0.9 0.0 882.2 376.5 370.7 5.9 0.0 0.3 1.6 0.0 0.0 0.8 132.0 81.5 33.0 4.6 15.0 0.9 6.8 0.9 0.0 882.2 376.5 370.7 5.9 0.0 0.3 1.6 0.0 0.0 0.8 132.0 81.5 33.0 4.6 15.0 0.9 6.8 0.9 0.0 882.2 376.2 58.0 30.3 203.8 5.9 75.7 116.2 388.5 177.8 38.0 22.9 19.0 40.1 40.0 29.8 110.3 2.9 882.2 202.1 883.6 2.2 28.7 209.1 4.4 83.5 99.5 37.7 177.9 39.3 25.2 19.7 28.4 4.3 31.2 10.5 2.9 882.2 202.1 883.6 9.2 0.6 15.0 0.1 4.7 8.5 40.7 27.1 2.5 3.8 0.5 24.8 29.8 3.0 0.9 882.2 70.6 18.9 0.0 11.1 1.9 0.0 0.0 6.8 18.8 12.5 0.0 7.0 0.1 1.4 1.8 3.1 0.2 882.2 70.5 13.2 0.0 1.0 2.1 0.0 0.0 6.6 18.8 13.0 0.0 1.5 1.8 33.3 0.2 882.2 70.5 13.5 0.0 1.0 2.1 0.0 0.0 6.6 18.8 13.0 0.1 1.5 1.8 33.3 0.2 882.2 70.5 13.5 0.0 1.0 2.1 0.0 0.0 6.6 18.8 13.0 0.0 1.5 1.8 33.3 0.2 882.2 70.5 13.5 0.0 1.0 2.1 0.0 0.0 6.6 18.8 13.0 0.0 1.5 1.8 33.3 0.2 882.2 70.5 13.5 0.0 1.0 2.1 0.0 0.0 6.6 18.8 13.0 0.0 1.5 1.8 33.3 0.2 882.2 70.5 13.5 0.0 1.0 2.1 0.0 0.0 6.6 18.8 13.0 0.0 1.5 1.8 33.3 0.2 882.2 70.5 13.5 0.0 1.0 2.1 0.0 0.0 6.6 18.8 13.0 0.0 1.5 1.8 33.3 0.2 882.2 70.5 13.5 0.0 1.0 2.1 0.0 0.0 6.6 18.8 13.0 0.0 1.5 1.8 33.3 0.2 882.2 70.5 13.5 0.0 1.0 2.1 0.0 0.0 6.6 18.8 13.0 0.0 1.5 1.8 33.3 0.2 882.2 70.5 13.5 0.0 1.0 2.1 0.0 0.0 6.6 18.8 13.0 0.0 1.5 1.5 1.8 33.3 0.2 882.2 70.5 13.5 0.0 1.0 2.1 0.0 0.0 6.6 18.8 13.0 0.0 1.5 1.8 33.3 0.2 882.2 70.5 13.5 0.0 1.0 2.1 0.0 0.0 6.6 18.8 13.0 0.0 1.5 1.8 33.3 0.2 882.2 70.5 13.5 0.0 1.0 2.1 0.0 0.0 6.6 18.8 13.0 0.0 1.5 1.8 33.3 0.2 882.2 70.5 13.5 0.0 1.0 2.1 0.0 0.0 0.0 0.0 1.5 0.0 1.5 0.0 1.5 1.8 33.3 0.2 882.2 70.5 13.5 0.0 1.0 1.0 2.1 0.0 0.0 0.0	1998/99 proj.																				
ed) 380.2 374.7 5.5 0.0 0.3 1.6 0.0 0.0 0.7 136.6 81.3 32.1 4.3 13.7 0.8 6.5 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	Nov.	883.9		273.7	25.2 26.5	25.1	104.1	2.9	49.7 50.3	39.8	135.7	30.9 30.9	6.3 6.3	ر ون ون	4.7	19.0	35.3	 	9.4 9.6	10.7	100.7
380.2 374.7 5.5 0.0 0.3 1.6 0.0 0.7 18.6 81.3 32.1 4.3 13.7 0.8 6.5 1.0 0.0 Prol. 377.6 378.3 5.6 0.0 0.3 1.7 0.0 0.0 0.8 140.5 82.1 30.2 4.4 15.1 0.7 5.8 1.0 0.0 1.0. 1.0. 0.0 0.8 132.0 81.0 33.0 4.6 15.0 0.0 6.8 10.0 0.0 0.8 132.0 8.1 33.0 4.6 15.0 0.0 0.8 132.0 8.1 33.0 4.6 15.0 0.0 0.0 0.8 132.0 9.1 4.6 15.0 0.0	Rice (Milled)																				
proj. 346.1 376.3 350.7 5.9 0.0 0.3 1.7 0.0 0.0 0.8 132.0 81.5 33.0 4.6 15.0 0.8 6.8 0.9 0.0 0.0 0.8 132.0 81.5 33.0 4.6 15.0 0.8 6.8 0.9 0.0 0.0 0.8 132.0 81.5 33.0 4.6 15.0 0.8 6.8 0.9 0.0 0.0 0.8 133.0 81.0 33.0 4.6 15.0 0.8 6.8 0.9 0.0 0.0 0.8 133.0 81.0 33.0 4.6 15.0 0.8 6.8 0.9 0.0 0.0 0.8 133.0 81.0 33.0 4.6 15.0 0.8 6.8 0.9 0.0 0.0 0.8 133.0 81.0 33.0 4.6 15.0 0.9 6.8 0.9 0.0 0.0 0.8 133.0 81.0 33.0 4.6 15.0 0.9 6.8 0.9 0.0 0.0 0.8 133.0 81.0 33.0 4.6 15.0 0.9 6.8 0.9 0.0 0.0 0.8 133.0 81.0 33.0 4.6 15.0 0.9 6.8 0.9 0.0 0.0 0.8 133.0 81.0 33.0 4.6 15.0 0.9 6.8 0.9 0.0 0.0 0.8 133.0 81.0 33.0 4.6 15.0 0.9 6.8 0.9 0.0 0.0 0.8 133.0 81.0 33.0 4.6 15.0 0.9 6.8 12.3 0.0 17.8 12.3 12.3 12.3 12.3 12.3 12.3 12.3 12.3	1996/97	380.2		5.5	0.0	0.3	1.6	0.0	0.0	0.7	136.6	81.3	32.1	4.3	13.7	0.8	6.5	0.0	0.0	0.3	95.7
THE STATE ST	1997/98 prel. 1998/99 proj.	384.1	3/8.3	o. o	0.0	5.0	1.7	0.0	0.0	0.0	140.5	1.79	30.2	4.	1.01		0.0	2.	0.0	0.7	90.0
ins 1/1 (1535.9) 315.2 58.0 0.0 0.3 1.6 0.0 0.0 0.8 133.0 81.0 33.0 4.6 15.0 0.9 6.8 0.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0		376.6		5.9	0.0	0.3	1.6	0.0	0.0	0.8	132.0	81.5	33.0	4.6	15.0	0.8	8.9	6.0	0.0	0.2	93.2
Ins. 1/1 (1535.9) 335.2 58.0 30.3 203.8 5.9 75.7 116.2 388.5 177.8 38.0 23.0 17.8 35.6 46.6 34.8 12.3 2 proj. 1881.6 1541.6 340.0 49.4 26.9 205.3 3.2 93.0 149.1 378.4 182.7 35.9 22.9 19.0 40.1 40.0 29.8 10.3 2 proj. 1848.8 1499.6 349.2 48.5 28.7 209.1 4.4 83.6 99.5 377.7 179.4 39.3 25.2 19.7 28.4 43.3 31.2 10.5 2 proj. 1845.3 1496.2 349.2 50.9 28.7 209.1 4.4 84.2 97.5 378.7 177.9 39.3 25.2 19.7 28.4 43.3 30.0 11.0 2 proj. 285.6 202.1 83.6 9.2 6 15.0 0.1 4.7 8.5 41.4 27.3 2.5 3.7 0.5 17.5 27.5 1.8 0.8 proj. 288.0 203.9 84.1 9.9 0.6 15.8 0.1 4.3 9.1 43.4 24.4 24.4 2.4 3.5 0.5 25.4 31.8 2.0 0.9 proj. 288.0 203.8 84.2 10.5 0.6 15.7 0.1 5.3 8.9 40.7 26.7 25.7 3.8 0.5 24.4 29.8 3.0 0.9 proj. 288.0 203.8 84.2 0.0 1.1 1.9 0.0 0.0 6.6 19.3 13.9 0.0 7.3 0.0 1.4 1.8 3.1 0.2 proj. 39.3 70.5 13.2 0.0 1.0 2.1 0.0 0.0 6.6 18.8 12.5 0.0 7.5 0.0 1.4 1.8 3.1 0.2 proj. 39.3 70.5 13.2 0.0 1.0 2.1 0.0 0.0 6.6 18.8 12.5 0.0 7.5 0.0 1.5 1.8 3.3 0.2 proj. 29.4 20.1 1.0 2.1 0.0 0.0 6.6 18.8 13.0 0.0 7.5 0.0 1.5 1.8 3.3 0.2 proj. 20.1 13.5 0.0 1.0 2.1 0.0 0.0 6.6 18.8 13.0 0.0 7.5 0.0 1.5 1.8 3.3 0.2 proj. 20.1 13.5 0.0 1.0 2.1 0.0 0.0 6.6 18.8 13.0 0.0 7.5 0.0 1.5 1.8 3.3 0.2 proj. 20.1 13.5 0.0 1.0 2.1 0.0 0.0 6.6 18.8 13.0 0.0 7.5 0.0 1.5 1.8 3.3 0.2 proj. 20.1 13.5 0.0 1.0 2.1 0.0 0.0 6.6 18.8 13.0 0.0 7.5 0.0 1.5 1.8 3.3 0.2 proj. 20.1 13.5 0.0 1.0 2.1 0.0 0.0 6.6 18.8 13.0 0.0 7.5 0.0 1.5 1.8 3.3 0.2 proj. 20.1 13.5 0.0 1.0 2.1 0.0 0.0 6.6 18.8 13.0 0.0 7.5 0.0 1.5 1.8 3.3 0.2 proj. 20.1 13.5 0.0 1.0 2.1 0.0 0.0 6.6 18.8 13.0 0.0 7.5 0.0 1.5 1.8 3.3 0.2 proj. 20.1 13.5 0.0 1.0 2.1 0.0 0.0 6.6 18.8 13.0 0.0 7.5 0.0 1.5 1.8 3.3 0.2 proj. 20.1 13.5 0.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	Dec.	377.4		5.9	0.0	0.3	1.6	0.0	0.0	0.8	133.0	81.0	33.0	4.6	15.0	0.9	6.8	0.9	0.0	0.2	93.3
proj. 1848.8 1499.6 349.2 48.5 28.7 209.1 4.4 83.6 99.5 377.7 179.4 39.3 25.2 19.7 30.3 44.3 31.2 10.5 2 2 1848.8 1499.6 349.2 50.9 28.7 209.1 4.4 84.2 97.5 378.7 179.4 39.3 25.2 19.7 30.3 44.3 31.2 10.5 2 2 1848.8 1499.6 349.2 50.9 28.7 209.1 4.4 84.2 97.5 378.7 1779 39.3 25.2 19.7 28.4 43.3 30.0 11.0 2 2 2 1 1845.3 1496.2 349.2 50.9 28.7 209.1 4.4 84.2 97.5 378.7 1779 39.3 25.2 19.7 28.4 43.3 30.0 11.0 2 2 1 1845.3 1496.2 349.2 50.9 28.7 209.1 4.4 84.2 97.5 378.7 1779 39.3 25.2 19.7 28.4 43.3 30.0 11.0 2 2 1 1845.3 1496.2 349.2 50.9 28.7 209.1 4.4 84.2 97.5 378.7 1779 39.3 25.2 19.7 28.4 43.3 30.0 11.0 2 2 1 1.0 2 1 1.0 2 1 1.0 2 1 1.0 2 1 1.0 2 1 1.0 2 1 1.0 2 1 1.0 2 1 1.0 2 1 1.3 2 2 1 1.0 2 1 1.	Total Grains 1/ 1996/97	1871.1			58.0	30.3	203.8	5.9	7.5.7	116.2	388.5	177.8	38.0	23.0	17.8	35.6	46.6	34.8	12.3	26.1	245.6
proj. 1848.8 1499.6 349.2 48.5 28.7 209.1 4.4 83.6 99.5 377.7 179.4 39.3 25.2 19.7 30.3 44.3 31.2 10.5 2 2 1 1848.8 1496.2 349.2 50.9 28.7 209.1 4.4 84.2 97.5 378.7 177.9 39.3 25.2 19.7 28.4 43.3 30.0 11.0 2 2 1 1845.3 1496.2 349.2 50.9 28.7 209.1 4.4 84.2 97.5 378.7 177.9 39.3 25.2 19.7 28.4 43.3 30.0 11.0 2 2 1 10.5 2 1 10.	1997/98 prel.	1881.6		340.0	49.4	26.9	205.3	3.2	93.0	149.1	378.4	182.7	35.9	22.9	19.0	40.1	40.0	29.8	10.3	24.3	231.1
24. 261.2 186.3 74.8 7.3 0.5 13.0 0.1 4.7 8.5 41.4 27.3 2.5 19.7 28.4 43.3 30.0 11.0 2.1 1845.3 1496.2 349.2 50.9 28.7 209.1 4.4 84.2 97.5 378.7 177.9 39.3 25.2 19.7 28.4 43.3 30.0 11.0 2.1 10.0 0.1 4.7 8.5 41.4 27.3 2.5 3.7 0.5 17.5 27.5 1.8 0.8 1.0 0.9 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	1998/99 proj.	1848 8	1499 6		48.5	78.7	209.1	4.4	83.6	99.5	377.7	179.4	39.3	25.2	19.7	30.3	44.3	31.2	10.5	29.0	239.5
24 261.2 186.3 74.8 7.3 0.5 13.0 0.1 4.7 8.5 41.4 27.3 2.5 3.7 0.5 17.5 27.5 1.8 0.8 proj. 286.6 202.1 83.6 9.2 0.6 15.0 0.1 4.3 9.1 43.4 24.4 2.4 3.5 0.5 25.4 31.8 2.0 0.9 proj. 288.0 203.9 84.1 9.9 0.6 15.8 0.1 5.4 9.5 40.7 27.1 2.5 3.8 0.5 24.4 29.8 3.0 0.9 7.3 0.0 1.4 1.8 3.1 0.2 proj. 288.0 203.8 84.2 10.5 0.0 1.1 1.9 0.0 0.0 6.6 19.3 13.9 0.0 7.3 0.0 1.4 1.8 3.1 0.2 proj. 91.4 72.6 18.8 0.0 1.0 2.1 0.0 0.0 6.8 18.8 12.5 0.0 7.5 0.0 1.5 1.8 3.3 0.2 1.8 3.3 0.2 1.8 13.0 0.0 1.5 13.5 0.0 1.0 2.1 0.0 0.0 6.6 18.8 13.0 0.0 7.5 0.0 1.5 1.8 3.3 0.2 1.8 13.0 0.0 1.5 13.5 0.0 1.0 1.0 2.1 0.0 0.0 6.6 18.8 13.0 0.0 7.5 0.0 1.5 1.8 3.3 0.2	Dec.	1845.3			50.9	28.7	209.1	4.4	84.2	97.5	378.7	177.9	39.3	25.2	19.7	28.4	43.3	30.0	11.0	29.0	239.0
9 proj. 285.6 202.1 83.6 9.2 0.6 15.0 0.1 4.3 9.1 43.4 24.4 2.4 3.5 0.5 25.4 31.8 2.0 0.9 0.9 proj. 288.0 203.9 84.1 9.9 0.6 15.8 0.1 5.4 9.5 40.7 27.1 2.5 3.8 0.5 24.4 29.8 3.0 0.9 0.9 0.9 0.0 1.1 1.9 0.0 0.0 6.6 19.3 13.9 0.0 7.0 0.0 1.4 1.8 3.1 0.2 1.3 2.8 0.0 1.4 1.8 3.1 0.0 0.0 0.0 0.0 6.8 18.8 12.5 0.0 7.5 0.0 1.5 1.8 3.3 0.2 0.5 0.0 1.5 1.8 3.3 0.2 0.5 0.0 1.5 1.8 3.3 0.2 0.2 0.2 1.8 13.5 0.0 1.0 2.1 0.0 0.0 6.6 18.8 13.0 0.0 7.5 0.0 1.5 1.8 3.3 0.2	Oilseeds 2/	261.2		74.8	7.3	0.5	13.0	0.1	4.7	α τι	41.4	27.3	2.5	3.7	0.5	17.5	27.5	8	8	1.9	27.6
loy. 288.0 203.9 84.1 9.9 0.6 15.8 0.1 5.4 9.5 40.7 27.1 2.5 3.8 0.5 24.4 29.8 3.0 0.9 6c. 288.0 203.8 84.2 10.5 0.6 15.7 0.1 5.3 8.9 40.7 26.7 2.5 3.8 0.5 24.4 29.8 3.0 0.9 1.3 6c. 288.0 203.8 84.2 10.5 0.6 15.7 0.1 5.3 8.9 40.7 26.7 2.5 3.8 0.5 24.8 29.8 2.9 1.3 6c. 13 6c. 18.9 0.0 1.1 1.9 0.0 0.0 6.6 19.3 13.9 0.0 7.3 0.0 7.3 0.0 1.5 1.3 2.8 0.2 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3	1997/98 prel.	285.6		83.6	9.5	9.0	15.0	0.1	4.3	9.1	43.4	24.4	2.4	3.5	0.5	25.4	31.8	2.0	0.9	1.9	27.6
ec. 288.0 203.8 84.2 10.5 0.6 15.7 0.1 5.3 8.9 40.7 26.7 2.5 3.8 0.5 24.8 29.8 2.9 1.3 17 89.6 70.6 18.9 0.0 1.1 1.9 0.0 0.0 6.6 19.3 13.9 0.0 7.3 0.0 1.5 1.3 2.8 0.2 18 proj. 91.4 72.6 18.8 0.0 1.0 2.1 0.0 0.0 6.8 18.8 12.5 0.0 7.5 0.0 1.5 1.8 3.2 0.2 19 proj. 83.7 70.5 13.2 0.0 1.0 2.1 0.0 0.0 6.6 18.8 13.0 0.0 7.5 0.0 1.5 1.8 3.3 0.2 18 6.7 0.0 1.5 1.8 1.3 0.0 1.5 1.8 3.3 0.2	1998/99 proj. Nov.	288.0		84.1	6.6	9.0	15.8	0.1	5.4	9.5	40.7	27.1	2.5	3.8	0.5	24.4	29.8	3.0	0.9	2.0	27.9
17 89.6 70.6 18.9 0.0 1.1 1.9 0.0 6.6 19.3 13.9 0.0 7.3 0.0 1.5 1.3 2.8 0.2 18 prel. 91.4 72.6 18.8 0.0 1.0 2.1 0.0 0.0 7.2 21.1 12.3 0.0 7.0 0.0 1.4 1.8 3.1 0.2 9 proj. 83.7 70.5 13.2 0.0 1.0 0.0 6.8 18.8 12.5 0.0 7.5 0.0 1.5 1.8 3.3 0.2 ec. 84.2 70.7 13.5 0.0 1.0 2.1 0.0 6.6 18.8 13.0 0.0 7.5 0.0 1.5 1.8 3.3 0.2	Dec.	288.0		84.2	10.5	9.0	15.7	0.1	5.3	8.9	40.7	26.7	2.5	3.8	0.5	24.8	29.8	2.9	1.3	1.9	27.8
prel. 91.4 72.6 18.8 0.0 1.0 2.1 0.0 0.0 7.2 21.1 12.3 0.0 7.0 0.0 1.4 1.8 3.1 0.2 proj. v. 83.7 70.5 13.2 0.0 1.0 2.1 0.0 0.0 6.8 18.8 12.5 0.0 7.5 0.0 1.5 1.8 3.3 0.2 84.2 70.7 13.5 0.0 1.0 2.1 0.0 0.0 6.6 18.8 13.0 0.0 7.5 0.0 1.5 1.8 3.3 0.2	Cotton 1996/97	89 6		18.9	0	*	6	0.0	0.0	9	19.3	13.9	0.0	7.3	0.0	rt.	13	2.8	0.2	3	+ +
proj. v. 83.7 70.5 13.2 0.0 1.0 2.1 0.0 0.0 6.8 18.8 12.5 0.0 7.5 0.0 1.5 1.8 3.2 0.2 v. 84.2 70.7 13.5 0.0 1.0 2.1 0.0 0.0 6.6 18.8 13.0 0.0 7.5 0.0 1.5 1.8 3.3 0.2	1997/98 prel.	91.4		18.8	0.0	1.0	2.1	0.0	0.0	7.2	21.1	12.3	0.0	7.0	0.0	1.4	1.8	3.1	0.2	3.7	11.8
84.2 70.7 13.5 0.0 1.0 2.1 0.0 6.6 18.8 13.0 0.0 7.5 0.0 1.5 1.8 3.3 0.2		83.7	70.5	13.2	0.0	1.0	2.1	0.0	0.0	8.9	18.8	12.5	0.0	7.5	0.0	1.5	8.	3.2	0.2	3.7	11.3
	Dec.	84.2		13.5	0.0	1.0	2.1	0.0	0.0	9.9	18.8	13.0	0.0	7.5	0.0	1.5	1.8	3.3	0.2	3.7	11.1

1/ Includes wheat, coarse grains, and rice (milled) shown above.
2/ Includes soybean, cottonseed, peanut (inshell), sunflowerseed, rapeseed for individual countries. Copra and palm kernel are added to world totals.
Note: Entries of 0.0 indicate no reported or insignificant production.

TABLE 3

Wheat Area, Yield, and Production

World and Selected Countries and Regions

		A	Area			Yield				Production	tion		Chan	Change in Pro	Production	
Country/Region		Prel.	1998	1998/99 Proj.		Prel.	1998/99 Proj.	Proj.		Prel.	1998	1998/99 Proj.				
	1996/97 1997/98	1997/98	Nov.	Dec.	1996/97	1997/98	Nov.	Dec.	1996/97	1997/98	Nov.	Dec.	From last month	t month	From last year	st year
		Million	Million hectares		Me	Metric tons per hectare	er hectare			Million metric tons	tric tons		MMT	Percent	TMM	Percent
World	231.20	229.88	225.14	225.88	2.52	2.66	2.61	2.59	582.95	610.98	588.30	585.77	-2.52	-0.43	-25.21	4.13
United States	25.47	25.73	23.92	23.92	2.44	2.67	2.91	2.91	62.19	68.76	09.69	69.60	0.00	0.00	0.84	1.23
Total Foreign	205.73	204.15	201.22	201.96	2.53	2.66	2.58	2.56	520.76	542.21	518.69	516.17	-2.52	-0.49	-26.05	4.80
Major Exporters	47.44	44.55	43.78	43.87	3.54	3.43	3.64	3.62	167.91	152.71	159.16	158.76	-0.40	-0.25	6.05	3.96
European Union	16.74	17.13	17.03	17.05	5.89	5.50	6.07	90.9	98.51	94.21	103.36	103.36	0.00	0.00	9.15	9.71
France	5.02	5.11	5.23	5.25	7.15	6.61	99.2	7.65	35.94	33.76	40.00	40.10	0.10	0.25	6.34	18.77
United Kingdom	1.98	2.04	2.10	2.10	8.15	7.39	7.38	7.38	16.10	15.05	15.50	15.50	0.00	0.00	0.45	2.99
Germany	2.59	2.72	2.79	2.79	7.29	7.29	7.20	7.20	18.92	19.83	20.10	20.10	0.00	0.00	0.27	1.38
Canada	12.26	11.41	10.60	10.77	2.43	2.13	2.20	2.27	29.80	24.28	23.30	24.40	1.10	4.72	0.12	0.49
Australia	11.34	10.31	11.45	11.45	2.09	1.88	1.92	1.83	23.70	19.42	22.00	21.00	-1.00	4.55	1.58	8.15
Argentina	7.10	5.70	4.70	4.60	2.24	2.60	2.23	2.17	15.90	14.80	10.50	10.00	-0.50	-4.76	4.80	-32.43
- Major Importers	92.65	93.92	91.37	91.37	2.33	2.67	2.36	2.35	216.24	250.33	215.87	214.87	-1.00	-0.46	-35.46	-14.17
	29.61	30.06	29.80	29.80	3.73	4.10	3.69	3.69	110.57	123.30	110.00	110.00	0.00	0.00	-13.30	-10.79
FSU-12	47.73	48.37	45.87	45.87	1.33	1.66	1.26	1.24	63.30	80.51	57.90	26.90	-1.00	-1.73	-23.61	-29.33
Russia	25.72	26.10	25.90	25.90	1.36	1.69	1.08	1.04	34.90	44.20	28.00	27.00	-1.00	-3.57	-17.20	-38.91
Ukraine	5.89	6.50	5.90	2.90	2.30	2.83	2.54	2.54	13.55	18.40	15.00	15.00	0.00	0.00	-3.40	-18.48
Kazakstan	12.20	11.50	10.00	10.00	0.63	0.78	0.50	0.50	7.70	8.95	2.00	2.00	0.00	0.00	-3.95	-44.13
Baltic States	0.52	0.57	0.58	0.58	2.68	2.69	2.61	2.61	1.40	1.55	1.50	1.50	0.00	0.00	-0.04	-2.91
Eastern Europe	8.73	98.6	9.58	9.58	2.99	3.49	3.54	3.54	26.13	34.41	33.87	33.87	0.00	0.00	-0.54	-1.57
Poland	2.48	2.56	2.58	2.58	3.46	3.21	3.69	3.69	8.58	8.19	9.50	9.50	0.00	0.00	1.31	15.95
Romania	1.80	2.35	2.00	2.00	1.76	3.06	2.60	2.60	3.17	7.19	5.20	5.20	0.00	0.00	-1.99	-27.64
Egypt	1.02	1.04	1.05	1.05	5.64	2.60	5.71	5.71	5.74	5.85	00.9	00.9	0.00	0.00	0.15	2.56
Morocco	3.21	2.49	3.10	3.10	1.84	0.93	1.42	1.42	5.92	2.32	4.40	4.40	0.00	0.00	2.08	89.90
Brazil	1.83	1.52	1.40	1.40	1.74	1.58	1.57	1.57	3.20	2.40	2.20	2.20	0.00	0.00	-0.20	-8.33
Other Foreign	65.65	65.68	66.07	66.72	2.08	2.12	2.17	2.14	136.61	139.17	143.66	142.54	-1.13	-0.78	3.36	2.42
India	25.01	25.93	25.60	26.26	2.48	2.67	2.62	2.51	62.10	69.28	67.00	66.05	-0.95	-1.42	-3.23	-4.66
Turkey	8.45	8.50	8.60	8.60	1.89	1.88	2.09	2.09	16.00	16.00	18.00	18.00	0.00	0.00	2.00	12.50
Pakistan	8.38	8.11	8.40	8.40	2.02	2.05	2.23	2.23	16.91	16.65	18.70	18.70	0.00	0.00	2.05	12.31
Mexico	0.81	0.81	0.80	0.80	3.84	4.32	4.13	4.13	3.11	3.50	3.30	3.30	0.00	0.00	-0.20	-5.71
Saudi Arabia	0.27	0.34	0.34	0.34	4.53	5.36	5.37	5.37	1.20	1.80	1.80	1.80	0.00	0.00	0.00	0.00
South Africa	1.29	1.38	0.75	0.75	2.09	1.65	1.97	1.97	2.70	2.28	1.48	1.48	0.00	0.00	-0.81	-35.39
Others	21.44	20.61	21.59	21.57	1.61	1.44	1.55	1.54	34.60	29.67	33.39	33.21	-0.17	-0.52	3.55	11.96

TABLE 4

Total Coarse Grain Area, Yield, and Production

World and Selected Countries and Regions

		V	Area			Yield				Produ	Production		ည်	Change in Production	roductio	_
Country/Region		Prel.	1998	1998/99 Proj.		Prel.	1998/99 Proj.	Proj.		Prel.	1998	1998/99 Proj.				
	1996/97	1997/98	Nov.	Dec.	1996/97	1997/98	Nov.	Dec.	1996/97	1997/98	Nov.	Dec.	From last month	t month	From last year	st year
		Million	Million hectares		Metr	Metric tons per hectare	r hectar	Ф		Million metric tons	etric tons		MMT	Percent	MMT	Percent
World	322.81	312.25	309.46	308.65	2.81	2.84	2.86	2.86	76.706	886.49	883.86	882.18	-1.68	-0.19	4.31	-0.49
United States	38.38	37.55	36.78	36.78	6.97	7.07	7.44	7.44	267.56	265.42	273.67	273.67	0.00	0.00	8.25	3.11
Total Foreign	284.42	274.70	272.68	271.87	2.25	2.26	2.24	2.24	640.41	621.07	610.19	608.51	-1.68	-0.27	-12.56	-2.02
Major Exporters	23.57	22.52	21.56	21.59	3.01	3.16	3.07	3.07	70.95	71.21	66.20	66.35	0.14	0.22	4.86	-6.83
Canada	8.00	7.59	7.34	7.38	3.52	3.31	3.43	3.59	28.19	25.12	25.15	26.50	1.34	5.35	1.38	5.50
Argentina	4.66	4.67	4.35	4.15	4.06	5.28	4.36	4.21	18.93	24.67	18.99	17.49	-1.50	-7.90	-7.18	-29.12
Australia	5.20	5.08	4.54	4.54	1.95	1.86	1.83	1.79	10.15	9.47	8.31	8.11	-0.20	-2.41	-1.36	-14.39
South Africa	4.34	3.94	3.97	4.16	2.21	2.05	2.28	2.30	9.58	8.06	90.6	9.56	0.50	5.52	1.50	18.65
Thailand	1.36	1.24	1.36	1.36	3.01	3.15	3.46	3.46	4.10	3.90	4.70	4.70	0.00	0.00	0.80	20.51
Major Importers	86.76	87.35	81.72	81.28	2.72	3.02	2.74	2.75	236.34	263.43	224.19	223.78	-0.41	-0.18	-39.65	-15.05
FSU-12	38.28	39.38	34.26	33.66	1.36	1.72	1.19	1.18	52.15	67.87	40.81	39.81	-1.00	-2.45	-28.06	41.34
Russia	24.76	25.19	21.80	21.80	1.28	1.62	0.97	96.0	31.65	40.85	21.10	20.90	-0.20	-0.95	-19.95	48.84
Ukraine	5.34	6.80	6.36	5.76	1.78	2.26	1.75	1.79	9.51	15.35	11.10	10.30	-0.80	-7.21	-5.05	-32.90
Kazakstan	4.55	3.96	2.69	2.69	0.71	0.80	0.52	0.52	3.23	3.16	1.39	1.39	0.00	0.00	-1.77	-56.01
Baltic States	1.20	1.23	1.23	1.23	2.20	2.25	2.24	2.24	2.65	2.77	2.76	2.76	0.00	0.00	-0.01	-0.33
European Union	19.64	20.47	19.86	19.85	5.28	5.34	5.24	5.25	103.75	109.39	104.13	104.15	0.02	0.02	-5.24	4.79
Germany	4.11	4.30	4.22	4.22	5.64	5.97	5.74	5.74	23.21	25.66	24.24	24.24	0.00	0.00	-1.42	-5.53
France	3.67	3.99	3.88	3.89	7.07	7.32	7.02	7.18	25.96	29.21	27.26	27.96	0.70	2.57	-1.25	4.28
Eastern Europe	16.30	16.33	15.94	16.12	3.04	3.58	3.12	3.12	49.52	58.54	49.68	50.28	09.0	1.21	-8.26	-14.11
Poland	6.24	6.34	6.28	6.28	2.68	2.71	2.77	2.77	16.72	17.21	17.38	17.38	0.00	0.00	0.17	0.97
Romania	4.04	3.88	3.73	3.90	2.74	3.86	2.46	2.50	11.06	14.95	9.16	9.76	0.60	6.55	-5.20	-34.77
Czech Rep.	0.76	0.84	0.76	0.76	3.73	3.79	3.68	3.68	2.85	3.19	2.78	2.78	0.00	0.00	-0.42	-13.12
	10.97	9.57	10.08	10.08	2.42	2.42	2.49	2.49	26.49	23.16	25.10	25.10	0.00	0.00	1.94	8.38
Other W. Europe	0.38	0.37	0.35	0.35	4.74	4.58	4.83	4.78	1.79	1.70	1.71	1.67	-0.04	-2.22	-0.03	-1.65
Other Foreign	174.10	164.82	169.40	169.00	1.91	1.74	1.89	1.88	333.12	286.43	319.80	318.39	-1.41	-0.44	31.95	11.16
China	29.10	28.05	28.50	28.50	4.86	4.09	4.76	4.76	141.32	114.65	135.65	135.65	0.00	0.00	21.00	18.31
India	32.16	31.07	31.45	31.45	1.07	1.01	0.98	0.98	34.35	31.28	30.90	30.90	0.00	0.00	-0.38	-1.20
Brazil	14.48	12.19	13.59	13.29	2.55	2.61	2.60	2.58	36.99	31.81	35.31	34.31	-1.00	-2.83	2.50	7.86
Turkey	4.63	4.73	4.68	4.68	2.12	2.12	2.29	2.29	9.83	10.03	10.73	10.73	0.00	0.00	0.70	6.98
Indonesia	3.20	2.90	3.20	3.20	1.86	1.97	1.97	1.97	5.92	5.70	6.30	6.30	0.00	0.00	0.60	10.53
Philippines	2.72	2.40	2.75	2.75	1.55	1.48	1.53	1.53	4.22	3.55	4.20	4.20	0.00	0.00	0.65	18.31
Others	87.80	83.49	85.23	85.13	1.14	1.07	1.13	1.13	100.46	89.42	96.71	96.30	-0.41	-0.42	6.88	7.70

TABLE 5 Corn Area, Yield, and Production

World and Selected Countries and Regions

		Area				Yield				Production	tion			Shange in	Change in Production	
Country/Region		Prel.	1998/	1998/99 Proj.		Prel.	1998/99 Proj.	Proj.		Prel.	1998/	1998/99 Proj.				
	1996/97	1997/98	Nov.	Dec.	1996/97 1997/98	86/266	Nov.	Dec.	1996/97	1997/98	Nov.	Dec.	From last month	month	From last year	st year
		Million hectares	ctares		Metri	Metric tons per hectare	r hectare		~	Million metric tons	tric tons		MMT	Percent	MMT	Percent
World United States Total Foreign	141.02 29.60 111.42	136.41 29.83 106.58	139.40 29.86 109.54	139.08 29.86 109.22	4.19 7.97 3.19	4.24 7.97 3.19	4.29 8.37 3.17	4.29 8.37 3.18	591.44 236.06 355.38	578.06 237.90 340.16	597.35 249.85 347.50	597.04 249.85 347.19	0.00	-0.05	18.98 11.95 7.03	3.28 5.02 2.07
Major Exporters Argentina South Africa Thailand	7.96 3.40 3.36 1.20	7.21 3.18 2.96 1.08	7.20 3.00 3.00 1.20	7.20 2.80 3.20 1.20	3.57 4.56 2.68 3.25	4.24 6.10 2.55 3.43	3.89 5.00 2.83 3.75	3.75 4.82 2.81 3.75	28.41 15.50 9.01 3.90	30.61 19.36 7.55 3.70	28.00 15.00 8.50 4.50	27.00 13.50 9.00 4.50	-1.00 -1.50 0.50 0.00	-3.57 -10.00 5.88 0.00	-3.61 -5.86 1.45 0.80	-11.79 -30.27 19.21 21.62
Major Importers	21.56	21.91	21.06	21.09	3.92	4.49	3.86	3.89	84.51	98.41	81.30	82.07	0.77	0.95	-16.35	-16.61
Eastern Europe	7.15	6.87	6.79	6.92	3.58	4.64	3.57	3.58	25.55	31.89	24.23	24.73	0.50	2.06	-7.16	-22.44
Yugoslavia	2.10	2.08	2.08	2.08	3.62	4.67	3.86	3.86	7.60	9.70	8.00	8.00	0.00	0.00	-1.70	-17.53
European Union	4.10	4.28	4.06	4.07	8.50	9.02	8.16	8.36	34.79	38.60	33.16	34.06	0.90	2.71	4.54	-11.76
France	1.72	1.84	1.80	0.94	6.41 9.33	9.10 9.79	7.94 9.15	9.15	9.55	10.75	8.60	8.60	0.00	0.00	-1.95	-11.00
Mexico	8.23	7.40	7.70	7.70	2.30	2.30	2.34	2.34	18.92	17.00	18.00	18.00	0.00	0.00	1.00	5.88
FSU-12 Russia	2.00	3.28	2.44	2.34	2.37	3.19 3.18	2.25	2.09	4.73	10.46	5.49	1.00	-0.60 -0.20	-10.94	-5.57	-53.28
Ukraine	0.67	1.65	0.80	0.70	2.74	3.21	2.50	2.29	1.84	5.30	2.00	1.60	-0.40	-20.00	-3.70	-69.81
Other W. Europe	0.02	0.03	0.03	0.02	8.96	8.80	8.60	8.41	0.22	0.22	0.22	0.19	-0.03	-13.95	-0.04	-15.91
Sie la	5		5		r r	.	+;+	† ·	67.0	6.60	0.50					7
Other Foreign China	81.90	77.46	81.28	80.93	2.96	2.73	2.93 5.11	2.94	242.46 127.47	104.30	238.21 124.00	124.00	0.08	0.03	26.98 19.70	12.78
Brazil	13.88	11.60	13.00	12.70	2.61	2.67	2.65	2.64	36.16	31.00	34.50	33.50	-1.00	-2.90	2.50	8.06
India	6.25	6.31	6.10	6.10	1.70	1.76	1.56	1.56	10.61	11.09	9.50	9.50	0.00	0.00	-1.59	-14.32
Canada	1.06	1.01	1.08	1.12	6.98	7.10	7.04	7.96	7.38	7.18	7.59	8.90	1.31	17.31	1.72	23.96
Indonesia	3.20	2.90	3.20	3.20	1.86	1.97	1.97	1.97	5.95	5.70	6.30	6.30	0.00	0.00	0.60	10.53
Favot	77.7	0.40	0.42	0.94	1.33 6.65	04.1	1.55	6.74	4.22 5.83	5.55 6.01	6.30	6.30	00.0	00.0	0.03	4.83
Zimbabwe	1.64	1.23	1.45	1.45	1.10	1.22	1.31	1.31	1.80	1.50	1.90	1.90	0.00	0.00	0.40	26.67
Others	27.79	27.40	28.52	28.43	1.55	1.49	1.54	1.53	43.05	40.81	43.92	43.53	-0.39	-0.90	2.71	6.64

December 1998

TABLE 6 Barley Area, Yield, and Production

World and Selected Countries and Regions

		Area				Yield				Production	tion			Change in	Change in Production	n
Country/Region		Prel.	1998/9	1998/99 Proj.		Prel.	1998/99 Proj.	Proj.		Prel.	1998	1998/99 Proj.				
	1996/97	1997/98	Nov.	Dec.	1996/97	1997/98	Nov.	Dec.	1996/97	1997/98	Nov.	Dec.	From last month	t month	From last year	styear
		Million hectares	tares		Metr	Metric tons per hectare	r hectare			Million metric tons	tric tons		MMT	Percent	MMT	Percent
World	66.45	65.53	61.00	60.55	2.32	2.37	2.27	2.28	153.86	155.05	138.76	137.77	-1.00	-0.72	-17.28	-11.15
United States	2.74	2.60	2.42	2.42	3.15	3.14	3.22	3.22	8.62	8.15	7.80	7.80	0.00	00.00	-0.35	-4.34
Total Foreign	63.71	62.93	58.58	58.13	2.28	2.33	2.24	2.24	145.24	146.89	130.96	129.97	-1.00	-0.76	-16.93	-11.52
European Union	11.38	11.83	11.36	11.35	4.55	4.44	4.64	4.57	51.72	52.54	52.74	51.90	-0.83	-1.58	-0.64	-1.22
Denmark	0.74	0.72	0.67	0.67	5.36	5.40	5.70	5.32	3.95	3.89	3.80	3.55	-0.25	-6.58	-0.34	-8.67
France	1.53	1.68	1.60	1.61	6.25	90.9	95.9	6.63	9.54	10.18	10.50	10.70	0.20	1.90	0.52	5.10
Germany	2.21	2.27	2.18	2.18	5.47	5.89	5.75	5.75	12.07	13.40	12.50	12.50	0.00	00.00	-0.90	-6.71
Italy	0.36	0.34	0.34	0.34	3.76	3.25	3.68	3.68	1.35	1.09	1.25	1.25	0.00	0.00	0.16	14.68
Spain	3.53	3.71	3.59	3.59	2.72	2.32	3.06	3.06	9.60	8.60	11.00	11.00	0.00	0.00	2.40	27.91
United Kingdom	1.27	1.33	1.27	1.27	6.14	5.91	5.20	5.20	7.78	7.85	09.9	09.9	0.00	0.00	-1.25	-15.92
FSU-12	20.54	20.96	17.51	17.01	1.35	1.63	1.11	1.14	27.76	34.11	19.49	19.39	-0.10	-0.51	-14.72	-43.15
Russia	11.85	12.60	10.00	10.00	1.34	1.65	0.95	0.95	15.90	20.80	9.50	9.50	0.00	00.0	-11.30	-54.33
Ukraine	3.43	3.70	4.00	3.50	1.67	2.00	1.58	1.77	5.73	7.40	6.30	6.20	-0.10	-1.59	-1.20	-16.22
Kazakstan	3.60	3.20	2.10	2.10	0.75	0.81	0.48	0.48	2.70	2.60	1.00	1.00	0.00	00.0	-1.60	-61.54
Baltic States	0.81	0.83	0.83	0.83	2.30	2.33	2.33	2.33	1.87	1.94	1.93	1.93	0.00	0.00	-0.01	-0.52
Eastern Europe	3.32	3.65	3.39	3.44	2.88	3.30	3.10	3.09	9.56	12.04	10.51	10.61	0.10	0.95	-1.43	-11.92
Poland	1.13	1.24	1.20	1.20	3.04	3.11	3.00	3.00	3.44	3.87	3.60	3.60	0.00	00.0	-0.27	-6.88
Czech Rep.	09.0	0.65	0.58	0.58	3.77	3.84	3.66	3.66	2.26	2.49	2.13	2.13	0.00	00.00	-0.36	-14.49
Romania	0.50	0.62	0.50	0.55	2.22	3.06	2.60	2.55	1.11	1.89	1.30	1.40	0.10	7.69	-0.49	-25.89
Canada	4.89	4.70	4.26	4.27	3.18	2.88	2.98	2.97	15.56	13.53	12.66	12.70	0.04	0.30	-0.83	-6.11
Other W. Europe	0.23	0.23	0.21	0.21	4.49	4.33	4.72	4.72	1.03	0.97	0.97	0.97	0.00	00.0	-0.01	-0.72
Norway	0.18	0.18	0.16	0.16	3.83	3.77	4.05	4.05	0.67	99.0	0.64	0.64	0.00	00.0	-0.02	-3.03
Turkey	3.65	3.70	3.60	3.60	1.97	1.97	2.17	2.17	7.20	7.30	7.80	7.80	0.00	00.0	0.50	6.85
Australia	3.41	3.46	3.00	3.00	2.00	1.86	1.83	1.77	6.81	6.43	5.50	5.30	-0.20	-3.64	-1.13	-17.54
China	1.30	1.30	1.20	1.20	3.08	3.08	2.92	2.92	4.00	4.00	3.50	3.50	0.00	0.00	-0.50	-12.50
Morocco	2.43	2.00	2.30	2.30	1.58	99.0	0.87	0.87	3.83	1.32	2.00	2.00	0.00	0.00	0.68	51.06
India	0.82	0.76	0.85	0.85	1.83	1.89	2.00	2.00	1.51	1.44	1.70	1.70	0.00	0.00	0.26	18.38
Others	10.94	9.51	10.08	10.08	1.32	1.18	1.21	1.21	14.39	11.27	12.17	12.17	-0.00	-0.00	0.90	7.99

Decermber 1998

Oats Area, Yield, and Production

World and Selected Countries and Regions

Try/Region Prei. 1996/97 Prei. 1996			Area				Yield				Production	ion			Change in Production	Product	ion
17.69 17.04 16.48 16.45 1.73 1.83 1.62 1.61 30.59 31.15 26.68 2.47 1.09 1.18 1.14 2.07 2.17		1996/97	Prel. 1997/98	1998/9 Nov.	9 Proj. Dec.	1996/97	Prel. 1997/98	1998/9: Nov.		1996/97	Prel. 1997/98	1998/9 Nov.	99 Proj. Dec.	From la	From last month	From	From last vear
Trices 17.04 16.48 16.45 1.73 1.83 1.62 1.61 30.59 31.15 26.68 1.09 1.18 1.14 1.14 2.07 2.17 2.17 2.17 2.25 2.56 2.47 16.60 15.86 15.34 15.32 1.71 1.80 1.58 1.57 2.8.34 28.60 2.4.21 16.60 15.86 15.34 15.32 1.71 1.80 1.58 1.57 2.8.34 28.60 2.4.21 16.60 15.86 15.34 15.32 1.72 1.47 1.04 1.01 10.03 11.48 7.51 16.60 1.00 1.00 1.10 10.03 11.48 7.51 16.60 1.00 1.00 1.10 10.03 11.48 1.51 1.82 1.76 1.44 1.01 1.00 1.10 1.10 1.10 1.10 1.10		3	Million hec	tares		Metr	ic tons per	r hectare			illion metr	ic tons		TMM	Percent	TMM	Percent
17.69 17.04 16.48 16.45 1.73 1.83 1.62 1.61 30.59 31.15 26.68 1.09 1.18 1.14 1.14 2.07 2.17 2.17 2.17 2.25 2.56 2.47 16.60 15.86 15.34 15.32 1.71 1.80 1.58 1.57 2.8.34 2.8.60 2.421 16.60 15.86 15.34 15.32 1.71 1.80 1.58 1.57 2.8.30 2.40 2.421 16.81 2.05 6.00 6.00 6.00 1.20 1.45 1.04 1.01 10.03 11.48 7.51 2.30 0.34 0.30 0.30 2.33 2.06 2.33 2.33 0.70 0.70 0.70 2.30 0.34 0.30 0.30 2.33 2.06 2.33 2.33 0.70 0.70 0.70 2.40 1.60 0.16 0.16 0.16 0.16 2.04 2.13 2.13 2.13 0.32 0.34 0.34 2.50 2.72 2.68 2.67 2.11 2.05 2.07 6.37 5.68 5.52 2.50 2.50 0.28 0.28 0.28 1.24 1.70 1.50 1.70 1.50 1.70 2.50 0.55 0.55 0.26 1.20 1.20 1.20 1.20 1.20 2.50 0.51 0.31 0.31 0.31 0.31 0.31 0.51 0.51 2.50 0.50 0.31 0.31 0.34 0.35 0.34 0.34 3.50 0.31 0.31 0.34 0.34 0.34 0.34 0.34 3.50 0.31 0.31 0.34 0.34 0.34 0.34 0.34 0.34 3.50 0.31 0.31 0.31 0.34 0.34 0.34 0.35 0.35 0.34 3.50 0.32 0.31 0.31 0.34 0.34 0.34 0.35 0.35 0.34 3.50 0.32 0.31 0.31 0.34 0.34 0.34 0.34 0.34 0.34 3.50 0.32 0.31 0.31 0.32 0.34 0.34 0.34 0.34 0.34 3.50 0.31 0.31 0.31 0.32 0.34 0.34 0.34 0.34 0.35 0.35 3.50 0.31 0.31 0.31 0.32 0.34 0.34 0.34 0.35 0.35 0.35 3.50 0.31 0.31 0.31 0.32 0.34 0.34 0.34 0.35 0.35 3.50 0.31 0.31 0.31 0.32 0.33 0.35 0.35 0.35 0.35 3.50 0.31 0.31 0.31 0.32 0.33 0.35 0.35 0.35 0.35 3.50 0.31 0.31 0.31 0.32 0.34 0.34 0.34 0.34 0.35 0.35 3.50 0.31 0.31 0.31 0.32 0.32 0.33 0.35 0.35 0.35 3.50 0.31 0.31 0.31 0.32 0.34 0.34 0.34 0.35 0.35 3.50 0.32 0.33																	
1.09	World	17.69	17.04	16.48	16.45	1.73	1.83	1.62	1.61	30.59	31.15	26.68	26.54	-0.14	-0.51	-4.61	-14.79
ign 16.60 15.86 16.34 16.32 1.71 1.80 1.58 1.57 28.34 28.60 24.21 1.81 1.82 1.57 1.82 1.51 1.82 1.57 1.04 1.01 10.03 11.48 7.51 1.82 1.52 1.23 1.47 1.04 1.01 10.03 11.48 7.51 1.82 1.52 0.39 0.30 0.34 0.55 0.63 0.63 1.51 1.82 1.75 1.44 0.73 1.00 1.10 1.10 1.10 0.30 0.34 0.34 0.33 2.33 2.33 2.33 2.70 0.70 0.70 0.70 0.30 1.46 0.16 0.16 0.16 0.16 0.16 0.16 2.04 2.13 2.13 2.13 0.70 0.70 0.70 0.70 1.10 1.90 0.39 0.80 0.80 1.56 1.20 1.20 1.20 1.44 0.73 1.00 1.10 1.10 0.25 0.29 0.28 0.28 1.24 1.76 1.27 1.27 1.27 1.27 0.31 0.51 0.35 0.34 0.34 0.34 0.34 0.34 0.34 0.34 0.34	United States	1.09	1.18	1.14	1.14	2.07	2.17	2.17	2.17	2.25	2.56	2.47	2.47	0.00	00.0	-0.09	-3.52
8.17 7.79 7.25 7.25 1.23 1.47 1.04 1.01 10.03 11.48 7.51 e.9.9 6.50 6.00 6.00 1.20 1.46 0.92 0.92 8.30 9.40 5.50 1.00 1.00 1.40 0.34 0.34 0.34 0.34 0.34 0.34 0.34 0	Total Foreign	16.60	15.86	15.34	15.32	1.71	1.80	1.58	1.57	28.34	28.60	24.21	24.08	-0.14	-0.56	-4.52	-15.80
6.93 6.50 6.00 6.00 1.20 1.46 0.92 0.92 8.30 9.40 5.50 ates 0.48 0.55 0.63 0.63 1.51 1.82 1.76 1.44 0.73 1.00 1.10 ates 0.30 0.34 0.30 0.30 2.33 2.06 2.33 2.33 0.70 0.70 0.70 ates 0.16 0.16 0.16 0.16 0.16 2.04 2.13 2.13 0.32 0.34 0.34 0.34 ates 0.17 0.18 1.50 1.62 1.59 2.67 2.11 2.05 2.05 2.07 6.37 5.58 5.52 atem of the term of the term of the term of the term of term	FSU-12	8.17	7.79	7.25	7.25	1.23	1.47	1.04	1.01	10.03	11.48	7.51	7.31	-0.20	-2.66	4.17	-36.31
the control of the co	Russia	6.93	6.50	00.9	00.9	1.20	1.45	0.92	0.92	8.30	9.40	5.50	5.50	0.00	00.00	-3.90	-41.49
the girls and the color of the	Ukraine	0.48	0.55	0.63	0.63	1.51	1.82	1.76	1.44	0.73	1.00	1.10	06.0	-0.20	-18.18	-0.10	-10.00
gn Exporters 3.02 2.72 2.69 2.67 2.11 2.05 2.05 2.05 6.37 6.37 5.58 5.52 1.69 1.50 1.62 1.59 2.27 2.46 2.49 4.36 3.49 3.97 1.68 1.50 1.62 1.59 2.59 2.32 2.46 2.49 4.36 3.49 3.97 1.69 0.93 0.80 0.80 1.56 1.70 1.50 1.20 1.20 1.20 1.31 1.20 1.31 1.34 1.34 1.34 1.34 1.34 1.34 1.34	Belarus	0.30	0.34	0.30	0.30	2.33	2.06	2.33	2.33	0.70	0.70	0.70	0.70	0.00	0.00	00.00	0.00
gin Exporters 3.02 2.72 2.69 2.67 2.11 2.05 2.05 2.07 6.37 5.58 5.52 1.68 1.50 1.62 1.59 2.59 2.32 2.46 2.49 4.36 3.49 3.97 1.09 0.93 0.80 0.80 1.56 1.70 1.56 1.70 1.50 1.50 1.70 1.58 1.20 0.25 0.29 0.28 0.28 1.24 1.76 1.27 1.27 1.27 0.31 0.51 0.35 0.50 0.45 0.55 0.55 1.20 1.24 1.70 1.81 1.18 1.18 1.18 0.60 0.40 0.65 0.40 0.40 0.40 0.14 0.14 0.14 0.14 0.14	Baltic States	0.16	0.16	0.16	0.16	2.04	2.13	2.13	2.13	0.32	0.34	0.34	0.34	00.00	00.0	0.00	1.19
1.68 1.50 1.62 1.59 2.59 2.32 2.46 2.49 4.36 3.49 3.97 1.09 0.93 0.80 0.80 1.56 1.70 1.50 1.50 1.70 1.58 1.20 0.25 0.29 0.28 0.28 1.24 1.76 1.27 1.27 1.27 1.24 11.94 1.94 1.99 1.91 1.91 1.91 1.91 1.	Maj. Foreign Exporters	3.02	2.72	2.69	2.67	2.11	2.05	2.05	2.07	6.37	5.58	5.52	5.51	-0.01	-0.18	-0.07	-1.20
1.09 0.93 0.80 0.80 1.56 1.70 1.50 1.50 1.70 1.58 1.20 0.25 0.29 0.28 0.28 1.24 1.76 1.27 1.27 0.31 0.51 0.55 0.55 0.55 0.55 0.55 0.55 0.5		1.68	1.50	1.62	1.59	2.59	2.32	2.46	2.49	4.36	3.49	3.97	3.96	-0.01	-0.25	0.47	13.57
5.62 5.56 5.62 5.62 2.29 2.24 2.12 2.12 12.87 12.44 11.94 6.56 0.55 0.55 0.55 1.20 0.89 1.18 1.18 0.60 0.40 0.65 1.20 0.45 0.55 0.55 1.20 0.89 1.18 1.18 0.60 0.40 0.65 1.20 0.14 0.14 0.14 4.41 4.24 4.70 4.70 4.70 0.62 0.56 0.54 0.54 0.30 0.31 0.26 0.26 5.32 5.16 4.94 4.94 1.61 1.60 1.30 0.14 0.14 0.14 0.14 1.11 2.19 2.33 2.45 2.45 0.35 0.28 0.34 0.37 0.37 0.38 0.38 3.37 3.37 2.89 2.59 1.26 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20	Australia	1.09	0.93	0.80	08.0	1.56	1.70	1.50	1.50	1.70	1.58	1.20	1.20	0.00	0.00	-0.38	-24.05
5.62 5.66 5.62 5.62 2.29 2.24 2.12 12.87 12.44 11.94 1.95 1.99 1.91 1.91 3.56 3.35 3.25 3.29 6.89 6.66 6.22 0.14 0.13 0.14 0.14 0.14 4.41 4.24 4.70 4.70 0.62 0.65 0.64 0.05 0.04 0.05 0.01 0.00 0.00 0.00 0.00 0.00 0.00	Argentina	0.25	0.29	0.28	0.28	1.24	1.76	1.27	1.27	0.31	0.51	0.35	0.35	00.00	00.00	-0.16	-31.37
ean Union 1.94 1.99 1.91 1.91 3.56 3.35 3.25 3.29 6.89 6.66 6.22 5.20 0.14 0.14 0.14 4.41 4.24 4.70 4.70 0.62 0.62 0.64 0.130 0.14 0.14 0.14 4.41 4.24 4.70 4.70 0.62 0.65 0.64 0.130 0.14 0.14 0.14 0.14 1.91 2.45 1.98 2.45 0.35 0.35 0.34 0.130 0.14 0.14 0.14 0.14 0.14 2.46 1.98 2.45 0.35 0.28 0.34 0.10 0.10 0.00 0.10 0.10 0.10 0.10 0.1	Other Foreign	5.62	5.56	5.62	5.62	2.29	2.24	2.12	2.12	12.87	12.44	11.94	11.89	-0.05	-0.42	-0.55	4.44
n Union 1.94 1.99 1.91 1.91 3.56 3.35 3.25 3.29 6.89 6.66 6.22 0.64 0.14 0.14 0.14 4.41 4.24 4.70 4.70 0.62 0.65 0.64 0.13 0.14 0.14 0.14 4.41 4.24 4.70 4.70 0.62 0.65 0.64 0.13 0.14 0.14 0.14 0.14 2.46 1.98 2.45 2.45 0.35 0.28 0.34 0.37 0.37 0.38 0.38 3.37 3.37 2.89 2.59 1.26 1.24 1.10 0.28 0.37 0.37 0.37 0.31 0.31 4.32 4.05 3.23 3.87 1.20 1.28 1.00 0.07 0.08 0.06 0.06 3.24 3.17 3.17 3.17 0.21 0.25 0.19 0.19 0.10 0.10 0.10 0.10 0.10 0.10	China	0.50	0.45	0.55	0.55	1.20	0.89	1.18	1.18	09.0	0.40	0.65	0.65	0.00	0.00	0.25	62.50
any 0.14 0.13 0.14 0.14 4.41 4.24 4.70 4.70 0.62 0.56 0.64 110 Iny 0.30 0.31 0.26 0.26 5.32 5.16 4.94 4.94 1.61 1.61 1.60 1.30 0.14 0.14 0.14 0.14 2.46 1.98 2.45 2.45 0.35 0.28 0.34 In 0.37 0.37 0.38 0.38 3.37 3.37 2.89 2.59 1.26 1.24 1.10 In 0.28 0.32 0.31 0.31 4.32 4.05 3.23 3.87 1.20 1.28 1.00 In 0.28 0.05 0.06 0.06 3.24 3.17 3.17 3.17 0.21 2.54 2.68 2.45 Individual 0.13 0.13 0.13 0.13 1.85 1.85 1.84 1.84 0.24 0.24 0.23 Individual 0.15 0.14 0.15 0.15 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72	European Union	1.94	1.99	1.91	1.91	3.56	3.35	3.25	3.29	68.9	99.9	6.22	6.29	0.07	1.21	-0.37	-5.52
Iny 0.30 0.31 0.26 0.26 0.26 5.32 5.16 4.94 4.94 4.94 1.61 1.61 1.60 1.30 1.30 0.14 0.15 1.26 1.26 1.26 1.26 1.29 1.20 1	France	0.14	0.13	0.14	0.14	4.41	4.24	4.70	4.70	0.62	0.56	0.64	0.64	0.00	0.00	0.07	12.59
1 0.14 0.14 0.14 0.14 2.46 1.98 2.45 2.45 0.35 0.28 0.34 0.34 0.37 0.38 0.38 3.37 3.37 2.89 2.59 1.26 1.24 1.10 0.28 0.32 0.31 0.31 4.32 4.05 3.23 3.87 1.20 1.28 1.00 1.20 0.07 0.08 0.06 0.06 3.24 3.17 3.17 3.17 0.21 0.21 0.25 0.19 0.13 0.13 0.13 0.13 1.85 1.85 1.84 1.84 0.24 0.24 0.23 0.36 0.36 0.16 0.16 0.15 0.15 0.15 0.15 1.72 1.72 1.72 1.72 1.72 1.72 1.72 0.25 0.25 0.25 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.1	Germany	0.30	0.31	0.26	0.26	5.32	5.16	4.94	4.94	1.61	1.60	1.30	1.30	0.00	0.00	-0.30	-18.70
Hence Construction of the	Italy	0.14	0.14	0.14	0.14	2.46	1.98	2.45	2.45	0.35	0.28	0.34	0.34	0.00	0.00	0.07	23.64
n 0.28 0.32 0.31 0.31 4.32 4.05 3.23 3.87 1.20 1.28 1.00 1.28 1.00 1.15 1.11 1.11 2.19 2.33 2.21 2.21 2.21 2.54 2.68 2.45 1.00 0.07 0.08 0.06 0.06 3.24 3.17 3.17 3.17 0.21 0.25 0.19 1.50 1.30 0.13 0.13 0.13 0.13 0.13 1.85 1.85 1.84 1.84 0.24 0.24 0.24 0.23 1.30 0.15 0.15 0.15 0.15 0.15 0.15 1.72 1.72 1.72 1.72 1.72 1.72 1.72 1.72	Finland	0.37	0.37	0.38	0.38	3.37	3.37	2.89	2.59	1.26	1.24	1.10	0.98	-0.13	-11.36	-0.27	-21.56
Lurope 1.16 1.15 1.11 1.11 2.19 2.33 2.21 2.21 2.24 2.68 2.45 Rep. 0.07 0.08 0.06 0.06 3.24 3.17 3.17 3.17 0.21 0.25 0.19 d 0.63 0.60 0.60 0.60 2.53 2.60 2.50 1.58 1.63 1.50 alavia 0.13 0.13 0.13 0.13 1.85 1.85 1.84 1.84 1.84 0.24 0.24 0.23 alavia 0.10 0.09 0.10 0.10 0.10 4.18 3.90 3.94 3.94 0.36 0.36 0.35 0.15 0.15 0.15 0.15 0.17 0.17 0.17 0.05 0.63 0.63 0.63 0.05	Sweden	0.28	0.32	0.31	0.31	4.32	4.05	3.23	3.87	1.20	1.28	1.00	1.20	0.20	20.00	-0.07	-5.88
Rep. 0.07 0.08 0.06 0.06 3.24 3.17 3.17 3.17 0.21 0.25 0.19 1.50 0.63 0.60 0.60 2.53 2.60 2.50 2.50 1.58 1.63 1.50 1.40 0.13 0.13 0.13 0.13 1.85 1.85 1.84 1.84 0.24 0.24 0.24 0.23 1.40 0.10 0.10 0.10 0.10 0.10 0.10 0.10		1.16	1.15	1.11	1.11	2.19	2.33	2.21	2.21	2.54	2.68	2.45	2.45	0.00	0.00	-0.23	-8.67
d 0.63 0.63 0.60 0.60 2.53 2.60 2.50 2.50 1.58 1.63 1.50 1.40 0.13 0.13 0.13 1.85 1.85 1.84 1.84 1.84 0.24 0.24 0.23 0.13 0.10 0.10 0.10 0.10 0.10 0.10 0.1		0.07	0.08	90.0	90.0	3.24	3.17	3.17	3.17	0.21	0.25	0.19	0.19	0.00	0.00	90.0-	-23.08
lavia 0.13 0.13 0.13 1.85 1.85 1.84 1.84 0.24 0.24 0.23 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.1	Poland	0.63	0.63	09.0	09.0	2.53	2.60	2.50	2.50	1.58	1.63	1.50	1.50	0.00	0.00	-0.13	-7.98
0.10 0.09 0.10 0.10 4.18 3.90 3.94 3.94 0.40 0.36 0.38 0.38 0.15 0.14 0.15 0.15 1.72 1.72 1.72 1.72 0.25 0.25 0.25 0.25 0.25	Yugoslavia	0.13	0.13	0.13	0.13	1.85	1.85	1.84	1.84	0.24	0.24	0.23	0.23	0.00	0.00	-0.01	-4.17
0.15 0.14 0.15 0.15 1.72 1.72 1.72 1.72 0.25 0.25 0.25 0.25 1.72 1.43 1.43 0.66 0.63 0.63 0.63 0.85 0.90	Norway	0.10	0.09	0.10	0.10	4.18	3.90	3.94	3.94	0.40	0.36	0.38	0.38	0.00	0.00	0.02	4.13
141 137 143 143 066 062 063 063 085 000	Turkey	0.15	0.14	0.15	0.15	1.72	1.79	1.72	1.72	0.25	0.25	0.25	0.25	0.00	0.00	0.00	0.00
06:0 60:0 60:0 60:0 60:0 60:0 60:0	Others	1.41	1.37	1.43	1.43	99.0	0.62	0.63	0.63	0.93	0.85	06.0	06.0	0.00	0.00	0.05	6.01

December 1998

TABLE 8

Rye Area, Yield, and Production

World and Selected Countries and Regions

		Area				Yield				Production	on		2	Change in Production	oduction	
Country/Region		Prel.	1998/9	1998/99 Proj.		Prel.	1998/99	Proj.		Prel.	1998/9	1998/99 Proj.				
	1996/97	1997/98	Nov.	Dec.	1996/97	1997/98	Nov.	Dec.	1996/97	1997/98	Nov.	Dec.	From las	From last month	From last year	st year
	2	Million hectares	tares		Met	Metric tons per hectare	r hectare		Σ	Million metric tons	ic tons		MMT	Percent	MMT	Percent
World	10.76	10.41	10.69	10.69	2.06	2.35	2.05	2.03	22.23	24.44	21.97	21.71	-0.25	-1.15	-2.72	-11.15
United States	0.14	0.14	0.18	0.18	1.64	1.64	1.77	1.77	0.23	0.23	0.33	0.33	0.00	0.00	0.10	44.25
Total Foreign	10.62	10.27	10.51	10.51	2.07	2.36	2.06	2.04	22.00	24.21	21.64	21.39	-0.25	-1.17	-2.82	-11.67
FSU-12	5.96	5.67	5.71	5.71	1.51	1.94	1.33	1.29	9.00	11.02	7.57	7.37	-0.20	-2.64	-3.65	-33.12
Russia	4.13	4.00	4.00	4.00	1.43	1.88	1.13	1.13	5.90	7.50	4.50	4.50	0.00	00.0	-3.00	40.00
Ukraine	0.63	0.70	0.74	0.74	1.75	1.93	1.90	1.63	1.10	1.35	1.40	1.20	-0.20	-14.29	-0.15	-11.11
Belarus	1.05	0.89	06.0	06.0	1.81	2.36	1.78	1.78	1.90	2.10	1.60	1.60	0.00	00.0	-0.50	-23.81
Baltic States	0.23	0.24	0.24	0.24	1.98	2.08	2.04	2.04	0.46	0.49	0.49	0.49	0.00	0.00	-0.00	-0.61
Major Exporter																
Canada	0.16	0.16	0.20	0.20	1.91	1.98	2.00	1.95	0.31	0.32	0.39	0.40	0.01	2.05	0.08	24.38
Other Foreign	4.27	4.21	4.36	4.35	2.86	2.94	3.03	3.02	12.22	12.38	13.19	13.13	-0.06	-0.46	0.75	90.9
Eastern Europe	2.66	2.55	2.59	2.59	2.32	2.33	2.51	2.51	6.16	5.93	6.50	6.50	0.00	0.00	0.56	9.47
Hungary	0.07	0.07	0.07	0.07	1.43	2.00	1.79	1.79	0.10	0.14	0.13	0.13	0.00	0.00	-0.02	-10.71
Poland	2.42	2.30	2.35	2.35	2.34	2.31	2.51	2.51	5.65	5.30	5.90	5.90	0.00	00.00	09.0	11.32
Czech Rep.	90.0	0.08	0.08	0.08	3.19	3.41	3.47	3.47	0.20	0.26	0.26	0.26	0.00	00.0	0.00	0.39
European Union	1.32	1.34	1.45	1.45	4.30	4.51	4.33	4.32	5.68	6.03	6.28	6.24	-0.04	-0.56	0.21	3.45
Denmark	0.07	0.08	0.11	0.11	4.76	5.39	4.76	4.76	0.34	0.45	0.50	0.50	0.00	00.0	0.05	10.38
France	0.05	0.05	0.05	0.05	4.59	4.40	4.56	4.56	0.23	0.21	0.21	0.21	0.00	00.00	-0.00	-0.97
Germany	0.81	0.85	0.93	0.93	5.21	5.41	5.10	5.10	4.21	4.58	4.74	4.74	0.00	0.00	0.16	3.49
Spain	0.17	0.15	0.15	0.15	1.74	1.48	1.50	1.50	0.30	0.23	0.23	0.23	0.00	00.0	0.00	0.00
Austria	0.05	90.0	90.0	90.0	2.96	3.63	3.64	3.64	0.15	0.21	0.20	0.20	0.00	00.0	-0.01	-3.38
Sweden	0.03	0.03	0.04	0.04	5.52	5.17	2.00	4.57	0.18	0.15	0.18	0.16	-0.02	-8.57	0.01	6.67
Turkey	0.18	0.18	0.18	0.18	1.39	1.39	1.39	1.39	0.25	0.25	0.25	0.25	0.00	00.0	0.00	0.00
Othors	***	***	***	070	47.7	17.7	•	-	•	(1		4	_		

December 1998

Sorghum Area, Yield, and Production
World and Selected Countries and Regions

		Area				Yield				Production	ion		Cha	Change in Production	roductic	ū
Country/Region		Prel.	1998/5	1998/99 Proj.		Pref.	1998/99	Proj.		Prel.	1998/	1998/99 Proj.				
	1996/97 1997/98	1997/98	Nov.	Dec.	Dec. 1996/97 1	1997/98	Nov.	Dec.	Dec. 1996/97	1997/98	Nov.	Dec.	From last month	month	From	From last year
		Million hectares	ctares		Met	Metric tons per hectare	r hectare		2	Million metric tons	ic tons		HMM	Percent	MM	Percent
World	45.21	41.49	40.83	40.81	1.53	1.42	1.46	1.46	69.31	58.82	59.73	59.71	-0.01	-0.03	0.89	1.51
United States	4.82	3.80	3.17	3.17	4.24	4.37	4.17	4.17	20.40	16.59	13.23	13.23	0.00	0.00	-3.36	-20.23
Total Foreign	40.40	37.69	37.66	37.64	1.21	1.12	1.23	1.23	48.92	42.23	46.49	46.48	-0.01	-0.03	4.25	10.05
India	11.57	11.04	11.50	11.50	96.0	0.75	0.87	0.87	11.09	8.24	10.00	10.00	0.00	0.00	1.77	21.43
China	1.29	1.08	1.10	1.10	4.39	3.36	4.09	4.09	5.68	3.64	4.50	4.50	0.00	0.00	0.86	23.63
Mexico	2.32	1.80	2.00	2.00	2.95	3.11	3.25	3.25	98.9	2.60	6.50	6.50	0.00	0.00	06.0	16.07
Nigeria	6.45	6.50	09.9	09.9	1.02	1.07	1.11	1.11	09.9	6.93	7.30	7.30	0.00	0.00	0.37	5.34
Sudan	09.9	5.70	2.00	2.00	0.64	09.0	0.74	0.74	4.20	3.40	3.70	3.70	0.00	0.00	0.30	8.82
Argentina	0.68	0.79	0.75	0.75	3.70	4.80	4.00	4.00	2.50	3.77	3.00	3.00	0.00	0.00	-0.77	-20.42
Australia	0.56	0.56	09.0	09.0	2.15	1.89	2.00	2.00	1.21	1.07	1.20	1.20	0.00	0.00	0.14	12.68
Ethiopia	1.85	1.45	1.60	1.60	1.08	06.0	1.06	1.06	2.00	1.30	1.70	1.70	0.00	0.00	0.40	30.77
Colombia	0.10	90.0	0.04	0.04	3.05	2.50	3.00	3.00	0.29	0.15	0.12	0.12	0.00	0.00	-0.03	-20.00
Venezuela	0.20	0.26	0.25	0.25	2.16	1.56	1.63	1.63	0.44	0.41	0.40	0.40	0.00	0.00	-0.01	-2.44
Egypt	0.14	0.16	0.16	0.16	4.35	4.91	4.97	4.97	09.0	0.77	0.77	0.77	0.00	0.00	0.00	0.52
Yemen	0.38	0.38	0.38	0.38	0.97	96.0	1.00	1.00	0.37	0.36	0.38	0.38	0.00	0.00	0.02	4.46
Tanzania	0.69	0.63	0.50	0.50	0.87	0.80	0.85	0.85	09.0	0.50	0.43	0.43	0.00	0.00	-0.08	-15.00
Niger	1.50	1.40	1.40	1.40	0.27	0.30	0.30	0.30	0.40	0.43	0.43	0.43	0.00	0.00	0.00	0.00
South Africa	0.16	0.13	0.14	0.13	2.20	2.14	2.14	2.27	0.36	0.28	0.30	0.30	0.00	0.00	0.02	7.14
Thailand	0.16	0.16	0.16	0.16	1.25	1.25	1.25	1.25	0.20	0.20	0.20	0.20	0.00	0.00	0.00	0.00
Others	5.75	5.59	5.49	5.48	0.96	0.93	1.02	1.01	5.53	5.20	5.58	5.56	-0.01	-0.27	0.36	6.92

Production Estimates and Crop Assessment Division, FAS, USDA

TABLE 10 Rice Area, Yield, and Production

World and Selected Countries and Regions

Prel. 1998/99 1997/98 Nov. 149.59 149.14 14 1.23 1.29 148.36 147.85 14 24.45 24.43 7.37 7.15 9.27 9.25 5.49 5.60 2.32 2.43 1.05 1.06 0.41 0.40 0.60 0.60 1.65 1.65 1.05 1.05 1.05 1.05 0.60 0.60 0.60 0.60 1.05 1.05 3.20 3.80 3.20 3.80 3.20 3.80 0.63 0.63 0.63 0.45 0.45 0.45 0.45		(lignoy) niai i	ıgn)		Producti	Production (Milled)		Ch	Change in Production	roductio	
Million hectares States 149.74 149.59 149.14 14 States 1-13 1.23 1.29 Toreign To	1998/99 Proj.	Prel.	1998/99 Proj.	oj:	Prel.	199	1998/99 Proj.				
States 149.74 149.59 149.14 1 149.74 149.59 149.14 1 1.23 1.29 1.29 1.29 1.29 1.29 1.29 1.29 1.29	v. Dec. 1996/97	1997/98	Nov.		1996/97 1997/98	Nov.	Dec.		From last month	From last year	st year
States 1.13 1.23 1.29 1.29 1.13 1.23 1.29 1.29 1.29 1.29 1.29 1.29 1.29 1.29	v	Metric tons per hectare	r hectare		Million	Million metric tons		TMM	Percent	TWW	Percent
States 1.13 1.23 1.29 Foreign 148.61 148.36 147.85 1 Exporters 24.07 24.45 24.43 am 7.04 7.37 7.15 and 9.18 9.27 9.25 and 9.18 9.27 9.25 and 2.25 2.32 2.43 Interest 1.05 1.06 1.06 bean Union 0.41 0.40 0.60 0.60 0.60 in 0.60 0.60 0.60 Interest 1.65 1.65 Interest 1.04 1.062 1.040 Interest 1.05 1.05 1.05 Interest	149.45	3.76 3.80	3.74 3.	74	380.18 384.13	376.63	377.36	0.73	0.19	-6.77	-1.76
148.61 148.36 147.85 1 24.07 24.45 24.43 7.04 7.37 7.15 9.18 9.27 9.25 5.60 5.49 5.60 2.25 2.32 2.43 11.14 11.06 11.40 11.05 1.05 1.06 0.60 0.60 0.60 0.60 0.60 0.60 1.66 1.65 1.65 1.65 1.65 1.08.87 108.35 107.53 1 31.41 31.77 31.10 43.28 43.09 42.30 10.41 10.62 10.40 1.98 1.95 1.78 3.57 3.20 3.80 3.91 3.55 3.80 0.59 0.63 0.63 0.48 0.45 0.45 0.17 0.16 0.16	1.29	6.86 6.61	6.34 6.3	34	5.45 5.84	68.9	5.89	0.00	0.00	0.05	0.82
24.07 24.45 24.43 7.04 7.37 7.15 9.18 9.27 9.25 5.60 5.49 5.60 2.25 2.32 2.43 11.14 11.06 11.40 1.05 1.05 1.06 0.60 0.60 0.60 1.66 1.65 1.65 1.66 1.65 1.05 1.08.87 108.35 107.53 1 31.41 31.77 31.10 43.28 43.09 42.30 10.41 10.62 10.40 1.98 1.95 1.78 3.57 3.20 3.80 3.91 3.55 3.80 0.59 0.63 0.63 0.48 0.45 0.45 0.16 0.16	148.16	3.74 3.78	3.72 3.	72	374.72 378.29	370.74	371.47	0.73	0.20	-6.82	-1.80
7.04 7.37 7.15 9.18 9.27 9.25 5.60 5.49 5.60 2.25 2.32 2.43 15.67 15.55 15.89 11.14 11.06 11.40 1.05 1.05 1.06 0.60 0.60 0.60 1.66 1.65 1.65 1.66 1.65 1.65 1.67 17.53 1 31.41 31.77 31.10 43.28 43.09 42.30 10.41 10.62 10.40 1.98 1.95 1.78 3.57 3.20 3.80 3.91 3.55 3.80 0.59 0.63 0.63 0.48 0.45 0.45 0.16 0.16	24.48	2.91 3.00	2.98 3.	01	44.97 47.19	46.85	47.35	0.50	1.07	0.16	0.35
9.18 9.27 9.25 5.60 5.49 5.60 2.25 2.32 2.43 11.14 11.06 11.40 1.05 1.05 1.06 0.60 0.60 0.60 1.66 1.65 1.65 1.08 87 108.35 107.53 1 31.41 31.77 31.10 43.28 43.09 42.30 10.41 10.62 10.40 1.98 1.95 1.78 3.57 3.20 3.80 3.91 3.55 3.80 0.59 0.63 0.63 0.48 0.45 0.45 0.16	7.20	3.87 3.88	3.81 3.8	89	18.00 18.87	18.00	18.50	0.50	2.78	-0.37	-1.97
5.60 5.49 5.60 2.25 2.32 2.43 15.67 15.55 15.89 11.14 11.06 11.40 1.05 1.05 1.06 0.60 0.60 0.60 1.66 1.65 1.65 1.68 1.65 1.65 1.68 1.65 1.65 1.69 1.65 1.65 1.041 10.62 10.40 1.98 1.95 1.78 3.57 3.20 3.80 3.91 3.55 3.80 0.59 0.63 0.63 0.48 0.45 0.45 0.17 0.16 0.16	9.25	2.26 2.46	2.45 2.	45	13.66 15.05	14.95	14.95	00.00	0.00	-0.10	99.0-
2.25 2.32 2.43 115.67 15.55 15.89 11.14 11.06 11.40 1.05 1.05 1.06 0.60 0.60 0.60 1.66 1.65 1.65 1.66 1.65 1.65 1.68 1.65 1.65 1.68 1.65 1.65 1.69 1.65 1.77 31.10 43.28 43.09 42.30 10.41 10.62 10.40 1.98 1.95 1.78 3.57 3.20 3.80 3.91 3.55 3.80 0.59 0.63 0.63 0.48 0.45 0.45 0.16	2.60	2.77 2.80	2.86 2.	98	9.00 8.90	9.30	9.30	0.00	0.00	0.40	4.49
15.67 15.55 15.89 11.14 11.06 11.40 1.05 1.05 1.06 0.60 0.60 0.60 1.66 1.65 1.65 1.66 1.65 1.65 1.041 31.77 31.10 43.28 43.09 42.30 10.41 10.62 10.40 1.98 1.95 1.78 3.57 3.20 3.80 3.91 3.55 3.80 0.59 0.63 0.63 0.48 0.45 0.45 0.16	2.43	2.87 2.83	2.84 2.	84	4.31 4.36	9.4.60	4.60	0.00	00.00	0.24	5.41
ion 1.14 11.06 11.40 1.05 1.06 1.06 0.41 0.40 0.60 0.60 0.60 0.60 0.60 1.65 1.65 1.65 1.41 31.41 31.77 31.10 43.28 43.09 42.30 10.41 10.62 10.40 1.98 1.95 1.78 3.57 3.20 3.80 3.91 3.55 3.80 0.59 0.63 0.63 0.48 0.45 0.45 0.45 0.16	15.85	4.12 3.98	4.11 4.		43.18 41.38	3 43.51	43.78	0.27	0.62	2.40	5.81
1.05 1.05 1.06 0.40 0.60 0.60 0.60 0.60 0.60 0.60 0	11.40	4.43 4.21			32.08 30.23	33.00	33.00	0.00	0.00	2.78	9.18
100n 0.41 0.41 0.40 0.60 0.60 0.60 0.60 0.60 0.60 0.60	1.06	6.78 7.00		38	5.32 5.45	5 4.70	5.00	0.30	6.38	-0.45	-8.26
0.60 0.60 0.60 1.65 1.65 1.65 1.65 1.65 1.65 1.65 1.065 1.060 1.08.37 1.07.53 1.0 31.41 31.77 31.10 31.41 10.62 10.40 1.98 1.95 1.78 3.57 3.20 3.80 3.57 3.20 3.80 0.59 0.63 0.63 0.45 0.45 0.45 0.16 0.16	0.40	5.94 6.21	6.34 6.		1.58 1.66	3 1.62	1.62	00.0	00.00	-0.04	-2.46
1.66 1.65 1.65 1.65 1.08.35 108.87 108.35 107.53 10 31.41 31.77 31.10 3 43.28 43.09 42.30 42.30 42.30 1.98 1.95 1.95 1.78 3.57 3.20 3.80 3.91 3.55 3.80 0.59 0.63 0.63 0.45 0.45 0.45 0.16 0.16	09.0	4.00 4.00	4.38 4.		1.60 1.60		1.75	0.00	00.0	0.15	9.37
108.87 108.35 107.53 10 31.41 31.77 31.10 3 43.28 43.09 42.30 4 10.41 10.62 10.40 1 1.98 1.95 1.78 3.57 3.20 3.80 3.80 3.57 3.20 3.80 0.63 0.63 0.63 0.63 0.45 0.45 0.45 0.16 0.16	1.65	1.96 1.87	1.87 1.		1.95 1.85	1.85	1.85	00.00	00.00	00.0	0.00
sh 10.41 31.77 31.10 3 43.28 43.09 42.30 4 10.41 10.62 10.40 1 1.98 1.95 1.78 1.78 3.57 3.20 3.80 3.91 3.55 3.80 0.63 0.63 0.63 0.63 0.45 0.45 0.45 0.45 0.16 0.16	107.83	4.12 4.19	4.08 4.		286.57 289.72	280.38	280.34	-0.04	-0.01	-9.38	-3.24
sh 10.41 10.62 10.40 1 1.98 1.95 1.78 1.95 1.78 1.95 1.78 1.95 1.78 1.95 1.78 1.95 1.78 1.95 1.78 1.95 1.78 1.95 1.78 1.95 1.78 1.95 1.95 1.78 1.95 1.95 1.95 1.95 1.95 1.95 1.95 1.95	31.10	6.21 6.32	9 90.9		136.57 140.49	132.00	133.00	1.00	0.76	-7.49	-5.33
sh 10.41 10.62 10.40 1 1.98 1.95 1.78 3.57 3.20 3.80 3.91 3.55 3.80 0.59 0.63 0.63 0.35 0.36 0.36 0.48 0.45 0.45	42.70	2.82 2.86			81.31 82.12	2 81.50	81.00	-0.50	-0.61	-1.12	-1.36
1.98 1.95 1.78 3.57 3.20 3.80 0.59 0.63 0.63 0.35 0.36 0.36 0.48 0.45 0.45 0.17 0.16 0.16	10.40	2.72 2.63	2.60 2.		18.88 18.63	3 18.00	17.75	-0.25	-1.39	-0.88	4.70
3.57 3.20 3.80 3.91 3.55 3.80 0.59 0.63 0.63 0.35 0.36 0.36 0.48 0.45 0.45 0.17 0.16 0.16	1.78	6.54 6.42	6.11 6.		9.41 9.12	2 7.90	7.90	00.00	0.00	-1.22	-13.41
3.91 3.55 3.80 0.59 0.63 0.63 0.35 0.36 0.36 0.48 0.45 0.45 0.17 0.16	3.80	2.66 2.67			6.46 5.80	08.9	6.80	0.00	0.00	1.00	17.24
0.59 0.63 0.63 0.35 0.36 0.36 0.48 0.45 0.45 0.17 0.16 0.16	3.80	2.86 2.80	2.79 2.		7.27 6.45	6.90	06.9	00.00	0.00	0.45	6.98
0.35 0.36 0.36 0.48 0.45 0.45 0.17 0.16 0.16	0.50	8.29 8.39	8.05 8.				3.06	-0.39	-11.30	-0.53	-14.86
0.48 0.45 0.45 0.17 0.16 0.16	0.36	5.55 5.62	5.56 5.		1.42 1.47		1.41	0.00	0.00	90.0-	4.09
0.17 0.16 0.16	0.45	2.24 2.64	2.67 2.	2.67			0.77	00.00	00.00	0.01	1.05
170	0.16	2.36 2.07	2.07 2.		0.25 0.22	2 0.22	0.22	00.00	00.00	0.00	0.00
0.17 0.15	0.15	8.36 9.41	8.44 8.		96.0 66.0	3 0.88	0.90	0.02	2.29	90.0-	-6.28
Others 12.72 12.60 12.78 12	12.79	3.01 3.03	3.02 2.		20.56 20.34	1 20.78	20.86	0.08	0.39	0.52	2.55

TABLE 11

Total Oilseed Area, Yield, and Production World and Selected Countries and Regions

Country/Region		Area				Yield				Production	tion			Change in Production	roduction	
	4006/07	Prel.	1998/9	1998/99 Proj.	1006/07	Prel.	1998/99	Proj.	1006/07	Prel.	1998/9	6				
	16/0661	Million hectares	tares	3	Metr	Metric tons per hectare	r hectare	720		Million metric tons	ric tons		MMT	Percent	MMT Perce	Percent
World Total 1/		1	I	1	1	•	ł	i	261.16	285.65	288.00	287.99	-0.01	-0.00	2.35	0.8
Total Foreign 1/	1	1	:	i	ŀ	:	1	1	186.34	202.08	203.88	203.79	-0.09	-0.04	1.72	0.85
Copra	1	1		:	:	•	:	1	5.82	5.61	5.38	5.38	0.00	00.0	-0.23	4.0
Palm Kernel	:	:	1	1	1	1	:	ŀ	5.32	5.16	5.40	5.40	0.00	0.00	0.24	4.61
Major Oilseeds 2/	159.43	166.75	170.84	172.10	1.57	1.65	1.62	1.61	250.03	274.88	277.23	277.22	-0.01	-0.00	2.34	0.85
United States 2/	32.58	35.54	35.53	35.54	2.30	2.35	2.37	2.37	74.83	83.57	84.12	84.20	0.08	0.10	0.63	0.7
Foreign Oilseeds 2/	126.85	131.21	135.31	136.56	1.38	1.46	1.43	1.41	175.20	191.31	193.11	193.02	-0.09	-0.05	1.71	0.8
South America	25.27	28.05	28.26	28.38	1.96	2.21	2.10	2.10	49.43	61.95	59.33	59.71	0.38	0.65	-2.23	-3.61
Brazil	12.61	13.97	13.77	13.77	2.18	2.28	2.17	2.17	27.45	31.83	29.85	29.85	0.00	00.00	-1.98	-6.2
Argentina	10.26	11.44	11.95	12.10	1.70	2.22	2.04	2.05	17.46	25.35	24.39	24.79	0.40	1.64	-0.57	-2.23
Paraguay	1.38	1.57	1.47	1.45	2.13	1.92	2.25	2.28	2.93	3.01	3.31	3.30	-0.02	-0.45	0.28	9.46
China	23.23	23.76 30.45	23.70	32.70	27.7	7.83	1./2	7.72	41.45	43.41 24.36	40.65	40.65	0.00	0.00	2.76	- 0 - 0 - 0
European Union	5.84	6.08	6.37	6.38	2.22	2.47	2.48	2.46	12.95	15.04	15.78	15.71	-0.07	-0.45	0.68	4.5
France	1.87	1.96	1.99	1.99	2.73	2.88	2.88	2.88	5.10	5.66	5.73	5.73	0.00	0.00	0.07	1.24
Italy	0.58	0.75	0.81	0.81	2.56	2.47	2.66	2.54	1.49	1.84	2.16	2.06	-0.10	-4.63	0.22	11.89
Germany	06.0	0.95	1.03	1.04	2.51	3.11	3.18	3.27	2.26	2.96	3.28	3.39	0.11	3.38	0.43	14.68
Spain	1.17	1.14	1.16	1.16	1.17	1.42	1.33	1.33	1.38	1.62	1.54	1.54	0.00	0.00	-0.08	4.64
United Kingdom	0.41	0.47	0.51	0.53	3.41	3.23	3.24	2.96	1.41	1.53	1.65	1.57	-0.08	4.85	0.05	2.95
FSU-12	9.83	9.25	10.01	10.01	0.86	0.98	0.95	0.80	8.46	9.09	9.55	8.86	-0.69	-7.18	-0.23	-2.5
Ilkraine	7.15	2.10	4.03 7.14	2.4.0	60.0	1 15	1 14	1 100	2.13 2.15	2.10	2.70	2.20		20.5	0.07	0.0
Uzbekistan	1.49	1.48	1.50	1.50	1.35	1.55	1.33	1.33	2.01	2.30	2.00	2.00	0.00	0.00	-0.30	-13.04
Turkmenistan	0.45	0.45	0.48	0.48	0.58	0.82	0.92	0.87	0.26	0.37	0.44	0.42	-0.02	4.60	0.04	12.1
Canada	4.35	5.97	6.39	6.45	1.68	1.53	1.56	1.62	7.28	9.16	9.94	10.46	0.52	5.23	1.30	14.22
Indonesia	1.83	1.83	1.93	1.93	1.34	1.31	1.30	1.30	2.45	2.41	2.51	2.51	0.00	00.0	0.10	4.20
Pakistan	3.66	3.50	3.39	3.39	1.00	1.01	1.1	1.1	3.67	3.53	3.77	3.77	0.00	0.00	0.24	6.71
Eastern Europe	3.05	2.86	3.23	3.25	1.53	1.49	1.66	1.63	4.66	4.26	5.35	5.31	-0.04	-0.75	1.05	24.59
Poland	0.28	0.32	0.45	0.45	1.59	1.88	2.33	2.33	0.45	09.0	1.05	1.05	0.00	0.00	0.46	76.47
Romania	0.99	0.84	0.94	96.0	1.31	1.17	1.29	1.22	1.30	0.98	1.21	1.17	-0.04	-3.30	0.19	19.49
Hungary	0.57	0.54	0.58	0.58	1.67	1.29	1.66	1.66	0.95	0.70	96.0	0.96	0.00	0.00	0.27	38.13
Turkey	1.36	1.30	1.30	1.30	1.38	1.45	1.52	1.48	1.87	1.88	1.97	1.92	-0.05	-2.54	0.04	2.13
Philippines	0.05	0.06	0.06	90.0	0.87	0.93	0.95	0.95	0.05	0.05	0.06	90.0	0.00	0.00	0.00	5.66
Mexico	0.38	17.70	0.43	0.43	1.42	1.55	1.50	1.50	0.55	0.63 1F.FF	0.65	0.65	0.00	0.00	0.02	2.54

1/ Major oilseeds plus copra and palm kernel. 2/ Individual countries and regions include soybean, cottonseed, peanut (inshell), sunflowerseed, and rapeseed.

TABLE 12

Soybean Area, Yield, and Production

World and Selected Countries and Regions

		מאול														
Country/Region		Prel.	1998/	1998/99 Proj.		Prel.	1998/99 Proj.	9 Proj.		Prel.	1998/	1998/99 Proj.				
	1996/97	1997/98	Nov.	Dec.	1996/97	1997/98	Nov.	Dec.	1996/97	1997/98	Nov.	Dec.	From last month	t month	From last year	st year
		Million hectares	ctares		Me	tric tons p	Metric tons per hectare			Million metric tons	ric tons		MMT	Percent	MMT	Percent
World	63.17	69.59	70.63	71.12	2.09	2.24	2.18	2.17	131.73	156.19	153.66	154.13	0.47	0.31	-2.06	-1.32
United States	25.66	28.16	28.96	28.96	2.53	2.61	2.60	2.60	64.84	73.55	75.19	75.19	00.0	0.00	1.63	2.22
Total Foreign	37.51	41.43	41.67	42.16	1.78	1.99	1.88	1.87	66.89	82.64	78.47	78.94	0.47	0.60	-3.70	4.47
Major Exporters	19.20	21.30	21.10	21.30	2.12	2.46	2.30	2.31	40.77	52.50	48.60	49.10	0.50	1.03	-3.40	-6.48
Brazil	11.80	13.00	12.80	12.80	2.27	2.38	2.27	2.27	26.80	31.00	29.00	29.00	0.00	0.00	-2.00	-6.45
Argentina	6.20	2.00	7.10	7.30	1.81	2.67	2.32	2.33	11.20	18.70	16.50	17.00	0.50	3.03	-1.70	-9.09
Paraguay	1.20	1.30	1.20	1.20	2.31	2.15	2.58	2.58	2.77	2.80	3.10	3.10	0.00	0.00	0.30	10.71
Other Foreign	18.31	20.13	20.57	20.86	1.43	1.50	1.45	1.43	26.12	30.14	29.87	29.84	-0.03	-0.09	-0.30	-0.98
China	7.47	8.35	8.00	8.00	1.77	1.76	1.69	1.69	13.22	14.73	13.50	13.50	0.00	0.00	-1.23	-8.34
India	2.00	2.60	6.10	6.35	0.82	96.0	0.95	06.0	4.10	5:35	5.80	5.70	-0.10	-1.72	0.35	6.54
Canada	0.86	1.05	0.98	0.98	2.52	2.57	2.62	2.81	2.17	2.70	.2.55	2.75	0.20	7.84	0.05	1.85
Indonesia	1.18	1.15	1.25	1.25	1.24	1.22	1.20	1.20	1.46	1.40	1.50	1.50	00.00	0.00	0.10	7.14
Eastern Europe	0.20	0.17	0.25	0.27	1.69	2.17	2.01	1.71	0.34	0.36	0.50	0.46	-0.04	-8.02	0.10	28.21
European Union	0.34	0.46	0.53	0.53	3.39	3.44	3.45	3.26	1.14	1.57	1.84	1.74	-0.10	-5.59	0.17	10.70
FSU-12	0.55	0.46	0.50	0.50	0.62	0.74	0.72	0.72	0.34	0.34	0.36	0.36	00.00	0.00	0.02	6.53
Russia	0.49	0.40	0.44	0.44	0.58	69.0	0.68	0.68	0.28	0.28	0.30	0.30	0.00	0.00	0.02	7.1
Ukraine	0.03	0.01	0.02	0.02	0.80	1.29	1.00	1.00	0.02	0.05	0.02	0.05	0.00	0.00	0.00	11.11
Mexico	0.05	0.12	0.12	0.12	1.17	1.47	1.46	1.46	90.0	0.18	0.18	0.18	0.00	0.00	0.00	0.00
Thailand	0.26	0.26	0.27	0.27	1.41	1.25	1.30	1.30	0.36	0.33	0.35	0.35	0.00	0.00	0.03	7.69
North Korea	0.33	0.33	0.33	0.33	1.23	1.08	1.23	1.23	0.40	0.35	0.40	0.40	0.00	0.00	0.05	14.29
Japan	0.08	0.08	0.10	0.10	1.80	1.75	1.75	1.75	0.15	0.15	0.18	0.18	00.00	0.00	0.03	20.69
Bolivia	0.55	0.63	0.63	0.63	1.83	2.00	1.98	1.98	1.00	1.26	1.25	1.25	0.00	0.00	-0.01	-0.79
South Korea	0.10	0.10	0.10	0.10	1.63	1.56	1.60	1.60	0.16	0.16	0.16	0.16	0.00	0.00	0.00	2.56
Colombia	0.04	0.03	0.03	0.03	2.00	1.67	2.00	2.00	0.07	0.05	90.0	90.0	00.0	0.00	0.01	20.00
Othors	4 22	()	((1			_								

TABLE 13

Cottonseed Area, Yield, and Production

World and Selected Countries and Regions

		Area				Yield				Production	ion		ਹ	Change in Production	roduction	
Country/Region		Prel.	1998/9	1998/99 Proj.		Prel.	1998/99 Proj.	Proj.		Prel.	1998/9	1998/99 Proj.				
	1996/97	1997/98	Nov.	Dec.	1996/97 1997/98	86//66	Nov.	Dec.	1996/97	1997/98	Nov.	Dec.	From last month	t month	From last year	st year
		Million hectares	tares		Metri	Metric tons per hectare	r hectare		_	Million metric tons	ic tons		MMT	Percent	MMT	Percent
						•										
World	33.73	33.47	32.50	32.70	1.02	1.04	1.00	0.99	34.37	34.72	32.36	32.50	0.15	0.45	-2.22	-6.39
United States	5.21	5.37	4.19	4.20	1.24	1.17	1.07	1.09	6.48	6.29	4.50	4.58	0.08	1.80	-1.71	-27.15
Total Foreign	28.52	28.10	28.31	28.50	0.98	1.01	0.98	0.98	27.89	28.43	27.85	27.92	90.0	0.23	-0.51	-1.79
China	4.72	4.50	4.50	4.50	1.60	1.84	1.64	1.64	7.56	8.28	7.40	7.40	0.00	0.00	-0.88	-10.63
FSU-12	2.50	2.46	2.53	2.53	1.08	1.25	1.16	1.12	2.71	3.09	2.92	2.84	-0.09	-2.91	-0.25	-8.13
Uzbekistan	1.49	1.48	1.50	1.50	1.35	1.55	1.33	1.33	2.01	2.30	2.00	2.00	0.00	0.00	-0.30	-13.04
Turkmenistan	0.45	0.45	0.48	0.48	0.58	0.82	0.92	0.87	0.26	0.37	0.44	0.42	-0.02	-4.60	0.04	12.16
India	9.12	8.85	9.05	9.17	0.65	0.58	0.59	09.0	5.90	5.10	5.30	5.50	0.20	3.77	0.41	7.95
Pakistan	3.15	2.96	2.90	2.90	1.01	1.02	1.14	1.14	3.19	3.00	3.30	3.30	0.00	0.00	0.30	9.85
Brazil	0.70	0.85	0.85	0.85	0.71	0.76	0.79	0.79	0.49	0.65	0.67	0.67	0.00	0.00	0.02	3.08
Turkey	0.74	0.72	0.70	0.70	1.58	1.50	1.60	1.60	1.18	1.09	1.12	1.12	0.00	0.00	0.03	3.23
African Franc Zone	1.91	2.24	2.27	2.27	0.72	0.72	0.71	0.70	1.38	1.61	1.61	1.60	-0.01	-0.62	-0.02	-0.99
Australia	0.40	0.44	0.47	0.52	2.13	2.16	2.11	1.90	0.84	0.94	0.99	0.99	0.00	0.00	0.05	4.87
Egypt	0.39	0.37	0.30	0.28	1.52	1.28	1.53	1.32	0.59	0.48	0.46	0.37	-0.09	-19.57	-0.11	-22.92
Argentina	0.88	08.0	0.70	0.70	0.64	0.63	0.84	0.84	0.56	0.50	0.59	0.59	0.00	0.00	0.00	17.00
Paraguay	0.11	0.20	0.20	0.18	0.64	09.0	09.0	09.0	0.07	0.12	0.12	0.11	-0.02	-12.50	-0.02	-12.50
Greece	0.42	0.39	0.40	0.40	1.13	1.53	1.28	1.28	0.48	0.59	0.51	0.51	0.00	0.00	-0.08	-14.14
Syria	0.22	0.25	0.27	0.27	2.39	2.90	2.44	2.44	0.53	0.73	99.0	99.0	0.00	0.00	-0.07	-9.22
Mexico	0.25	0.20	0.22	0.22	1.50	1.65	1.52	1.52	0.37	0.33	0.34	0.34	0.00	0.00	0.01	1.82
Colombia	0.00	0.05	90.0	90.0	1.21	1.30	1.42	1.42	0.10	0.07	0.08	0.08	0.00	0.00	0.01	11.43
Sudan	0.28	0.27	0.20	0.20	0.82	0.79	0.78	0.78	0.23	0.21	0.16	0.16	0.00	0.00	-0.06	-26.19
Others	2.66	2.54	2.70	2.76	0.65	0.65	0.61	0.62	1.73	1.64	1.64	1.71	90.0	3.95	0.07	4.14

Production Estimates and Crop Assessment Division, FAS, USDA

Peanut Area, Yield, and Production **TABLE 14**

World and Selected Countries and Regions

		Area	· ·			Yield				Production	tion		5	Change in Production	roduction	
Country/Region		Prei.	1998/5	1998/99 Proj.		Prel.	1998/99 Proj.	Proj.		Prel.	1998/	1998/99 Proj.				
	1996/97	1997/98	Nov.	Dec.	1996/97	1997/98			1996/97	1997/98	Nov.	Dec.	From last month	month	From last year	st year
		Million hectares	ctares		Metri	Metric tons per hectare	r hectare			Million metric tons	tric tons		MMT	Percent	MMT	Percent
World	20.60	20.17	21.23	21.19	1.38	1.33	1.32	1.30	28.44	26.72	28.09	27.61	-0.48	-1.71	0.88	3.30
United States	0.56	0.57	09.0	09.0	2.98	2.81	2.82	2.82	1.66	1.60	1.68	1.68	0.00	0.00	0.08	4.80
Total Foreign	20.04	19.60	20.63	20.59	1.34	1.28	1.28	1.26	26.78	25.12	26.40	25.92	-0.48	-1.82	0.81	3.21
China	3.62	3.72	3.80	3.80	2.80	2.59	2.68	2.68	10.14	9.65	10.20	10.20	0.00	0.00	0.55	5.72
India	7.81	7.20	8.10	8.10	1.15	1.05	1.02	0.98	9.02	7.58	8.30	7.90	-0.40	-4.82	0.32	4.22
Indonesia	0.63	99.0	99.0	99.0	1.56	1.52	1.52	1.52	0.99	1.00	1.00	1.00	0.00	00.00	0.00	0.00
Senegal	0.92	0.79	0.78	0.78	0.70	0.70	0.71	0.71	0.65	0.55	0.55	0.55	0.00	0.00	0.00	0.00
Burma	0.52	0.53	0.53	0.53	1.10	1.11	1.09	1.09	0.57	0.59	0.58	0.58	0.00	0.00	-0.01	-1.69
Sudan	0.55	0.55	0.55	0.55	0.67	0.67	0.67	29.0	0.37	0.37	0.37	0.37	0.00	0.00	0.00	0.00
Zaire	0.73	0.73	0.73	0.73	0.77	0.77	0.79	0.79	0.56	0.56	0.58	0.58	0.00	0.00	0.02	3.57
Argentina	0.28	0.39	0.40	0.35	1.09	1.67	1.50	1.43	0.30	0.65	09.0	0.50	-0.10	-16.67	-0.15	-23.08
Nigeria	0.65	0.70	0.75	0.75	0.50	0.50	0.50	0.50	0.33	0.35	0.38	0.38	0.00	0.00	0.03	7.14
Vietnam	0.26	0.26	0.26	0.26	1.31	1.31	1.31	1.31	0.34	0.34	0.34	0.34	0.00	0.00	0.00	0.00
South Africa	0.10	90.0	0.07	0.08	1.47	1.64	1.43	1.50	0.14	0.10	0.10	0.12	0.02	20.00	0.02	23.71
Thailand	0.10	0.10	0.10	0.10	1.49	1.50	1.50	1.50	0.15	0.15	0.15	0.15	00.00	0.00	0.00	0.00
Burkina Faso	0.25	0.24	0.25	0.25	0.80	0.83	0.84	0.84	0.20	0.20	0.21	0.21	0.00	0.00	0.01	2.00
Brazil	0.09	0.09	0.09	60.0	1.55	1.67	1.67	1.67	0.14	0.15	0.15	0.15	00.00	0.00	0.00	0.00
Central African Rep.	0.10	0.10	0.10	0.10	0.94	1.00	1.00	1.00	0.09	0.10	0.10	0.10	00.00	0.00	0.00	0.00
Cameroon	0.42	0.42	0.42	0.42	0.41	0.41	0.41	0.41	0.17	0.17	0.17	0.17	0.00	0.00	0.00	0.00
Cote d'Ivoire	0.14	0.14	0.14	0.14	1.07	1.04	1.04	1.04	0.15	0.15	0.15	0.15	0.00	0.00	0.00	0.00
Mexico	0.08	0.08	60.0	0.09	1.40	1.50	1.53	1.53	0.11	0.12	0.13	0.13	00.00	0.00	0.01	8.33
Gambia	90.0	0.08	0.08	0.08	0.72	0.85	0.80	08.0	0.05	90.0	90.0	90.0	0.00	0.00	-0.00	-6.25
Others	2.74	2.76	2.74	2.74	0.85	0.83	0.84	0.84	2.32	2.28	2.29	2.29	-0.00	-0.00	0.01	0.44

Sunflowerseed Area, Yield, and Production

World and Selected Countries and Regions

Country/Region		Prel.	1998/99 Proj.	Proj.		Prel.	1998/99 Proj.	Proj.		Prel.	1998/99 Proj	9 Proj.				
	1996/97	1997/98	Nov	Dec.	1996/97	1997/98	Nov.	Dec.	1996/97	1997/98	Nov.	Dec.	From la	From last month	From I	From last year
		Million hectares	tares		Met	Metric tons per hectare	r hectare	4	Ž	Million metric tons	ic tons		MMT	Percent	MMT	Percent
World	19.79	19.78	21.27	21.61	1.21	1.21	1.25	1.21	23.88	23.94	26.49	26.22	-0.27	-1.01	2.28	9.53
United States Total Foreign	1.01	1.15	1.34	1.34	1.61	1.48	1.57	1.57	1.63	1.71	24.39	24.12	0.00	0.00	0.39	23.02
FSU-12	6.47	90.9	29.9	29.9	0.80	06.0	06.0	0.81	5.20	5.46	6.03	5.43	-0.60	-9.95	-0.03	-0.57
Russia	3.89	3.58	4.10	4.10	0.71	0.79	0.80	0.68	2.77	2.83	3.30	2.80	-0.50	-15.15	-0.03	-1.10
Ukraine	2.11	2.00	2.10	2.10	1.01	1.15	1.14	1.10	2.12	2.30	2.40	2.30	-0.10	4.17	0.00	0.00
Argentina	2.90	3.25	3.75	3.75	1.86	1.69	1.79	1.79	5.40	5.50	6.70	6.70	0.00	00.00	1.20	21.82
European Union	2.35	2.32	2.24	2.23	1.65	1.75	1.70	1.72	3.89	4.06	3.81	3.83	0.01	0.31	-0.23	-5.74
France	0.92	06.0	0.79	0.79	2.19	2.21	2.22	2.22	2.00	1.98	1.75	1.75	0.00	0.00	-0.23	-11.62
Spain	0.99	0.97	1.00	1.00	1.15	1.41	1.30	1.30	1.14	1.37	1.30	1.30	0.00	0.00	-0.07	4.90
Italy	0.26	0.30	0.28	0.28	1.99	1.67	1.96	1.96	0.52	0.51	0.55	0.55	0.00	0.00	0.04	8.06
Eastern Europe	2.14	1.94	5.09	5.09	1.42	1.22	1.35	1.35	3.04	2.38	2.82	2.82	0.00	0.00	0.44	18.42
Hungary	0.48	0.45	0.48	0.48	1.68	1.22	1.67	1.67	08.0	0.55	0.80	08.0	0.00	0.00	0.26	46.79
Romania	0.91	0.78	0.82	0.82	1.30	1.10	1.18	1.18	1.18	0.86	0.97	0.97	0.00	0.00	0.11	13.05
Yugoslavia	0.23	0.20	0.22	0.22	1.87	1.65	1.82	1.82	0.43	0.33	0.40	0.40	0.00	0.00	0.07	21.21
Bulgaria	0.45	0.45	0.49	0.49	1.09	1.11	0.98	0.98	0.49	0.50	0.48	0.48	0.00	0.00	-0.02	4.00
Czech Rep.	0.02	0.02	0.02	0.02	1.95	2.24	2.00	2.00	0.04	0.05	0.05	0.05	0.00	0.00	-0.00	-2.13
China	69.0	0.72	0.70	0.70	1.92	1.64	1.79	1.79	1.33	1.18	1.25	1.25	0.00	0.00	0.07	6.29
India	2.00	2.10	2.20	2.20	99.0	0.67	0.68	0.68	1.32	1.40	1.50	1.50	0.00	0.00	0.10	7.14
Turkey	0.54	0.50	0.52	0.52	1.01	1.30	1.35	1.25	0.55	0.65	0.70	0.65	-0.05	-7.14	0.00	0.00
South Africa	0.46	0.51	0.50	0.85	0.97	1.09	1.00	1.00	0.45	0.56	0.50	0.85	0.35	20.00	0.29	52.60
Australia	0.14	0.09	0.15	0.15	1.21	1.07	1.10	1.10	0.17	0.10	0.16	0.16	0.00	0.00	90.0	63.27
Burma	0.22	0.24	0.24	0.24	0.73	0.75	0.75	0.75	0.16	0.18	0.18	0.18	0.00	0.00	0.00	0.00

TABLE 16

Rapeseed Area, Yield, and Production
World and Selected Countries and Regions

		Area	Œ			Yield				Production	tion		ວົ	Change in Production	roductic	r.
Country/Region		Prel.		1998/99 Proj.		Prel.	1998/99	Proj.		Prel.	1998/99 Proj.	Proj.				
	1996/97	1997/98	Nov.	Dec.	1996/97	1997/98	Nov.	Dec.	1996/97	1997/98	Nov.	Dec.	From last month	t month	From la	From last year
		Million hectares	ctares		Metri	Metric tons per hectare	er hectar	d)	M	Million metric tons	ric tons		MMT	Percent	MMT	Percent
World United States	22.14	23.75	25.22	25.49	1.43	1.40	1.45	1.44	31.61	33.32	36.65	36.77	0.12	0.33	3.45	10.36
Total Foreign	22.00	23.46	24.78	25.05	1.43	1.40	1.45	1.44	31.39	32.90	36.00	36.12	0.12	0.33	3.22	9.77
India	6.86	6.70	6.40	09.9	1.01	0.74	0.97	0.92	6.94	4.94	6.20	6.10	-0.10	-1.61	1.17	23.61
China	6.73	6.48	6.70	6.70	1.37	1.48	1.24	1.24	9.20	9.58	8.30	8.30	0.00	0.00	-1.28	-13.34
Canada	3.45	4.87	5.35	5.40	1.47	1.31	1.36	1.41	5.06	6.39	7.30	7.60	0.30	4.11	1.21	18.88
European Union	2.65	2.81	3.09	3.11	2.76	3.08	3.06	3.05	7.33	8.65	9.47	9.49	0.05	0.21	0.84	9.76
France	0.87	0.97	1.10	1.10	3.32	3.51	3.36	3.36	2.87	3.40	3.70	3.70	00.00	0.00	0.30	8.82
Germany	0.85	0.91	1.00	1.00	2.52	3.14	3.20	3.30	2.15	2.87	3.20	3.30	0.10	3.12	0.43	15.10
United Kingdom	0.41	0.47	0.51	0.53	3.41	3.23	3.24	2.96	1.41	1.53	1.65	1.57	-0.08	4.85	0.05	2.95
Denmark	0.11	0.10	0.12	0.12	2.37	2.82	2.75	2.75	0.25	0.29	0.33	0.33	00.00	0.00	0.04	12.63
Sweden	0.07	90.0	90.0	90.0	2.11	1.95	1.98	1.98	0.14	0.12	0.13	0.13	00.00	0.00	0.00	1.63
Eastern Europe	0.69	0.74	0.87	0.87	1.83	2.05	2.32	2.32	1.27	1.52	2.03	2.03	00.00	0.00	0.51	33.49
Poland	0.28	0.32	0.45	0.45	1.59	1.88	2.33	2.33	0.45	09.0	1.05	1.05	00.00	0.00	0.46	76.47
Czech Rep.	0.23	0.23	0.27	0.27	2.30	2.46	2.64	2.64	0.52	0.56	0.70	0.70	00.00	0.00	0.14	24.78
Australia	0.42	0.69	1.15	1.15	1.52	1.26	1.48	1.39	0.64	0.86	1.70	1.60	-0.10	-5.88	0.74	86.05
FSU-12	0.31	0.27	0.31	0.31	0.70	0.75	0.77	0.77	0.21	0.21	0.24	0.24	00.00	0.00	0.03	14.63
Russia	0.17	0.12	0.15	0.15	99.0	0.62	0.67	0.67	0.11	0.07	0.10	0.10	00.00	0.00	0.03	40.85
Pakistan	0.32	0.34	0.33	0.33	0.80	0.84	0.85	0.85	0.26	0.29	0.28	0.28	00.00	0.00	-0.01	-2.10
Bangladesh	0.34	0.34	0.34	0.34	0.73	0.73	0.74	0.74	0.25	0.25	0.25	0.25	0.00	0.00	0.00	1.63
Others	0.24	0.24	0.24	0.24	0.97	96.0	96.0	96 0	0.23	0.23	0.23	0.23	0.00	000	000	000

TABLE 17
Copra, Palm Kernel, and Palm Oil Production

World and Selected Countries and Regions

		Producti	ion			Change in Pr	oduction	
Country/Region		Prel.	1998/	99 Proj.				
	1996/97	1997/98	Nov.	Dec.	From last	month	From las	t year
	1	Million metr	ic tons		MMT	Percent	MMT	Percent
COPRA								
World	5.82	5.61	5.38	5.38	0.00	0.00	-0.23	-4.05
Philippines	2.25	2.25	2.00	2.00	0.00	0.00	-0.25	-11.11
Indonesia	1.93	1.70	1.70	1.70	0.00	0.00	0.00	0.00
India	0.65	0.68	0.70	0.70	0.00	0.00	0.02	2.94
Mexico	0.21	0.21	0.22	0.22	0.00	0.00	0.01	2.87
Sri Lanka	0.07	0.07	0.07	0.07	0.00	0.00	0.00	0.00
Vietnam	0.13	0.13	0.13	0.13	0.00	0.00	0.00	0.00
Malaysia	0.03	0.03	0.03	0.03	0.00	0.00	-0.00	-9.37
Others	0.55	0.54	0.54	0.54	0.00	0.00	0.00	0.00
PALM KERNEL								
World	5.32	5.16	5.40	5.40	0.00	0.00	0.24	4.61
Malaysia	2.63	2.55	2.65	2.65	0.00	0.00	0.10	3.92
Indonesia	1.59	1.48	1.62	1.62	0.00	0.00	0.14	9.46
Nigeria	0.26	0.25	0.25	0.25	0.00	0.00	0.00	0.00
Cote d'Ivoire	0.06	0.06	0.07	0.07	0.00	0.00	0.00	6.35
Colombia	0.08	0.08	0.08	0.08	0.00	0.00	0.00	2.63
Thailand	0.09	0.11	0.08	0.08	0.00	0.00	-0.03	-23.36
Zaire	0.03	0.03	0.03	0.03	0.00	0.00	0.00	0.00
Ecuador	0.03	0.04	0.04	0.04	0.00	0.00	0.00	11.11
Others	0.55	0.57	0.58	0.58	0.00	0.00	0.01	2.30
PALM OIL								
World	17.59	16.87	17.66	17.66	0.00	0.00	0.79	4.65
Malaysia	9.01	8.50	8.80	8.80	0.00	0.00	0.30	3.53
Indonesia	5.39	5.00	5.50	5.50	0.00	0.00	0.50	10.00
Nigeria	0.60	0.59	0.59	0.59	0.00	0.00	0.00	0.00
Cote d'Ivoire	0.29	0.30	0.32	0.32	0.00	0.00	0.02	6.67
Colombia	0.41	0.44	0.45	0.45	0.00	0.00	0.01	2.27
Thailand	0.40	0.47	0.36	0.36	0.00	0.00	-0.11	-23.40
Zaire	0.12	0.12	0.12	0.12	0.00	0.00	0.00	0.00
Ecuador	0.20	0.23	0.25	0.25	0.00	0.00	0.03	11.11
Others	1.19	1.23	1.27	1.27	0.00	0.00	0.04	3.25

December 1998

TABLE 18

Cotton Area, Yield, and Production

World and Selected Countries and Regions

The color Prec. 1996/99 Proj.			Area	a			Yield				Production	ction			Change In Production	Productic	u
1996/1977 1997/968 Nov. Dec. 1996/1977 1997/98 Nov. Dec. 1996/1977 1997/99 Nov. Dec. 1996/9977 1997/997/997/997/997/997/997/997/997/997	Country/Region		Prel.	1998/9	9 Proj.		Prel.	1998/99	Proj.		Prel.	1998/9	9 Proj.				
Million hectares Million hec		1996/97	1997/98	Nov.	Dec.	1996/97		19.1	554 - 555 551		1997/98	Nov.	Dec.	From las	st month	From I	From last year
13.78 33.52 32.55 32.75 577 594 560 560 89.56 91.39 83.69 84.20 0.51 28.57 28.15 28.35 28.54 538 562 541 540 70.62 72.60 70.45 70.75 0.29 15.77 15.81 15.62 667 713 690 688 48.77 51.79 49.48 49.16 0.32 4.72 4.50 4.50 4.50 890 1,021 910 910 19.30 21.10 18.80 18.80 0.00 2.50 2.46 2.53 2.53 2.53 572 5178 668 668 48.1 5.30 3.70 0.00 2.50 2.46 2.53 2.53 2.53 572 6.48 6.68 6.89 4.81 5.30 3.70 0.00 2.50 2.46 2.53 2.53 2.53 572 6.48 6.68 6.89 4.81 5.30 0.00 2.50 2.46 2.53 2.53 2.53 4.50 4.78 668 668 6.89 4.81 5.30 0.00 2.50 2.46 2.53 2.53 2.53 4.50 4.78 668 668 6.89 4.81 5.30 4.60 0.00 2.50 2.46 2.53 2.53 2.53 4.50 4.78 668 668 6.89 4.81 5.30 4.60 0.00 2.50 2.40 0.22 0.22 2.22 6.65 4.78 4.78 4.78 4.71 4.15 1.15 1.15 1.15 1.15 1.15 1.15 1.1			Million h	ectares		Kilo	grams pe	r hectar	Φ	_	Million 48	0 lb. bale	Ø	MBales	Percent	MBales	Percent
F2.5.7 2.8.15 2.8.35 2.8.34 5.38 5.62 5.41 5.40 70.62 72.60 70.45 70.75 0.22 28.57 2.8.15 2.8.35 2.8.34 5.38 5.62 5.41 5.40 70.62 72.60 70.45 70.75 0.22 15.77 15.81 15.61 15.62 6.67 71.3 6.90 6.85 48.27 51.79 18.80 18.80 0.30 2.28 2.90 2.90 2.90 2.90 1.021 9.10 19.30 7.10 18.80 18.80 0.30 2.29 2.46 2.50 2.90 2.90 3.88 3.29 3.27 3.27 7.00 7.50 7.50 0.30 2.50 2.46 2.53 2.53 5.72 6.38 6.88 6.88 4.81 5.30 3.70 3.70 0.30 0.30 2.50 2.46 2.53 2.53 5.72 6.38 6.88 6.88 4.81 5.30 4.60 0.30 0.30 0.30 2.50 2.46 2.53 2.53 5.72 6.38 5.47 5.42 1.151 1.161 1.162 0.30 0.30 0.30 2.50 2.46 2.53 2.53 5.72 6.38 5.47 5.42 1.162 1.00 0.30 0.30 0.30 2.50 2.46 2.53 2.53 5.72 6.38 5.47 5.42 1.164 0.30 0.30 0.30 0.30 2.50 2.46 2.53 2.53 5.72 6.38 5.47 5.42 1.165 1.22 1.00 0.30 0.30 2.50 2.46 2.53 2.53 5.72 6.38 5.47 5.42 1.151 3.60 3.70 3.70 3.70 0.30 2.50 2.46 2.53 2.53 5.72 6.38 5.47 5.42 1.165 1.22 1.00 0.30 2.50 2.46 2.53 2.53 5.72 6.38 5.43 5.42 1.165 1.20 1.00 0.30 2.50 0.37 0.30 0.28 882 902 871 816 1.57 1.55 1.20 1.05 0.15 2.09 0.37 0.30 0.20 8.82 902 871 816 1.57 1.55 1.20 1.05 0.15 2.00 0.40 0.44 0.47 0.52 1.53 1.48 4.51 4.61 1.59 1.75 1.30 1.30 0.00 2.01 0.20 0.20 0.18 4.20 3.81 3.81 3.73 0.21 0.35 0.35 0.30 0.00 2.02 0.11 0.20 0.20 0.18 4.20 3.81 3.81 3.73 0.21 0.35 0.35 0.30 0.00 2.00 0.11 0.20 0.20 0.18 4.20 3.41 8.41 4.61 1.99 2.17 2.17 2.17 0.10 2.00 0.10 0.40 0.44 0.47 0.52 0.56 0.56 0.56 0.50 0.50 0.50 0.30 0.30 0.30 0.30 0.30	World	33.78	33.52	32.55	32.75	222	594	560	260	89.56	91.39	83.69	84.20	0.51	0.61	-7.19	-7.87
TSS 57 28.15 28.35 28.54 538 562 541 540 70.62 72.60 70.45 70.75 0.29 15.77 15.81 15.61 15.62 667 713 690 685 48.27 51.79 49.48 49.16 0.32 3.15 2.96 2.90 2.90 1,021 910 910 19.30 21.10 18.80 0.30 0.28 0.27 0.20 0.20 358 329 327 327 0.46 0.40 0.30 0.30 0.74 0.72 0.70 0.70 1,055 1,116 1,151 1,151 3.60 3.70 3.70 3.70 0.00 2.50 2.46 2.53 2.53 572 638 587 570 6.57 7.21 6.82 6.62 0.00 1.49 1.48 1.50 1.50 705 705 705 705 705 6.57 7.21 6.82 6.02 0.45 0.45 0.45 0.48 0.48 310 411 458 435 0.64 0.85 1.00 0.95 0.00 0.50 0.37 0.30 0.28 882 902 871 816 1.55 1.56 1.25 1.00 0.95 0.50 0.30 0.37 0.30 0.28 882 902 871 816 1.55 1.56 1.25 1.00 0.00 0.60 0.00 0.00 0.00 0.70 0.70 369 367 467 467 1.49 1.35 1.50 1.50 0.00 0.60 0.70 0.85 0.85 0.85 1.52 1.53 1.482 1.382 2.79 3.06 3.20 3.30 0.00 0.70 0.85 0.85 0.85 1.52 1.53 1.482 1.382 2.79 3.06 3.20 3.30 0.00 0.71 0.20 0.20 0.18 428 461 461 1.29 1.75 1.80 1.80 0.00 0.71 0.20 0.20 0.18 429 381 381 381 373 0.21 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35	United States	5.21	5.37	4.20	4.20	792	762	989	269	18.94	18.79	13.23	13.45	0.22	1.67	-5.34	-28.42
Francisco Franci	Total Foreign	28.57	28.15	28.35	28.54	538	562	541	540	70.62	72.60	70.45	70.75	0.29	0.41	-1.85	-2.55
4.72 4.50 4.50 4.50 890 1,021 910 910 19.30 21.10 18.80 18.80 0.00 3.15 2.96 2.90 2.90 5.06 515 563 563 7.32 7.00 7.50 7.50 0.00 0.28 0.27 0.20 0.20 356 329 327 327 0.46 0.40 0.30 0.30 0.00 0.74 0.72 0.70 0.70 1,055 1,116 1,151 3.60 3.70 3.70 3.70 3.70 0.00 0.74 0.72 0.72 0.70 0.70 1,055 1,116 1,151 3.60 3.70 3.70 3.70 0.00 0.75 0.46 2.53 5.75 5.77 6.88 587 570 6.87 7.21 6.82 6.02 0.00 0.55 0.55 0.55 0.55 432 436 421 1.15 1.06 1.22 1.06 1.22 1.07 0.39 0.37 0.30 0.28 882 902 871 816 1.57 1.56 1.20 1.05 0.40 0.40 0.44 0.47 0.52 1.25 6.06 620 672 669 5.78 6.51 6.86 6.90 0.00 0.40 0.40 0.44 0.47 0.52 1.53 1,53 1,53 1,35 1.50 1.75 1.80 1.80 0.00 0.70 0.86 0.85 0.85 0.85 1,53 1,53 1,482 1,38 2.79 3.06 3.20 3.30 0.10 0.71 0.20 0.20 0.20 0.18 841 381 381 373 0.21 0.35 0.35 0.30 0.00 0.71 0.20 0.20 0.20 0.18 1.23 3.24 3.36 3.42 1.29 1.26 1.20 1.00 0.00 0.50 0.50 0.50 0.50 0.50 0.50 0	Major Exporters	15.77	15.81	15.61	15.62	299	713	069	685	48.27	51.79	49.48	49.16	-0.32	-0.65	-2.63	-5.07
3.15 2.96 2.90 2.90 5.06 515 563 7.32 7.00 7.50 7.50 0.00 0.28 0.27 0.20 0.20 358 329 327 327 0.46 0.40 0.30 0.30 0.00 0.74 0.72 0.70 0.70 1,055 1,116 1,151 1,151 3.60 3.70 3.70 3.70 3.70 0.00 2.50 2.46 2.53 2.53 572 638 587 570 6.57 7.21 6.82 6.62 0.20 1.49 1.48 1.50 1.50 1.50 778 668 668 4.81 5.30 4.60 4.60 0.00 0.057 0.53 0.55 0.55 0.55 432 436 428 421 1.12 1.06 1.22 1.07 0.05 0.39 0.37 0.30 0.28 882 902 871 816 1.57 1.55 1.20 1.05 0.05 0.39 0.37 0.30 0.28 882 902 871 816 1.57 1.55 1.20 1.05 0.05 0.39 0.37 0.30 0.28 182 902 871 816 1.57 1.55 1.20 1.05 0.05 0.09 0.30 0.37 0.30 0.28 882 902 871 816 1.57 1.55 1.20 1.05 0.05 0.00 0.44 0.47 0.47 0.52 1.53 1.52 1.38 1.38 1.35 1.36 1.36 1.30 0.00 0.10 0.20 0.30 0.30 3.89 1.52 1.52 1.48 1.39 1.35 1.50 1.50 1.05 0.11 0.20 0.20 0.18 429 381 381 373 0.21 0.35 0.35 0.35 0.30 0.12 0.35 0.55 0.56 0.56 0.56 789 861 847 844 1.99 2.17 2.17 2.17 0.00 12.25 11.79 12.18 12.37 322 344 336 342 1.36 1.36 1.36 1.30 0.30 0.10 0.88 9.12 0.31 3.32 3.48 473 488 471 6.44 6.38 6.31 6.41 0.30 0.10	China	4.72	4.50	4.50	4.50	890	1,021	910	910	19.30	21.10	18.80	18.80	0.00	0.00	-2.30	-10.90
0.28 0.27 0.20 0.20 358 329 327 327 0.46 0.40 0.30 0.30 0.00 0.74 0.72 0.70 0.70 1,055 1,116 1,151 1,151 3.60 3.70 3.70 3.70 3.70 0.00 0.74 0.72 0.70 0.70 1,055 1,116 1,151 1,151 3.60 3.70 3.70 3.70 3.70 0.00 0.74 0.75 0.48 0.48 0.48 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50	Pakistan	3.15	2.96	2.90	2.90	206	515	563	563	7.32	7.00	7.50	7.50	0.00	0.00	0.50	7.14
2.50 2.46 2.53 2.53 6.72 6.38 587 570 6.57 7.21 6.82 6.62 -0.20 1.49 1.48 1.50 1.50 705 778 668 668 4.81 5.30 4.60 0.95 -0.00 0.00 0.45 0.48 0.48 0.48 310 411 458 435 0.64 0.85 1.00 0.95 -0.05 0.39 0.37 0.30 0.28 882 902 871 816 1.57 1.55 1.20 1.05 0.03 0.37 0.30 0.28 882 902 871 816 1.57 1.55 1.50 1.05 0.03 0.39 0.37 0.30 0.28 882 902 871 816 1.57 1.55 1.50 1.05 0.03 0.00 0.00 0.00 0.00 0.00 0.00 0	Sudan	0.28	0.27	0.20	0.20	358	329	327	327	0.46	0.40	0.30	0.30	0.00	0.00	-0.10	-25.00
2.50 2.46 2.53 2.53 572 638 587 570 6.57 7.21 6.82 6.62 -0.20 1.49 1.48 1.50 1.50 775 778 668 668 4.81 5.30 4.60 0.95 -0.05 1.49 1.48 1.50 1.50 7.05 778 668 668 4.81 5.30 4.60 0.95 -0.05 1.00 0.45 0.45 0.48 0.48 3.10 4.11 4.58 4.35 0.64 0.85 1.00 0.95 -0.05 1.00 0.39 0.37 0.30 0.28 882 902 871 816 1.57 1.55 1.20 1.05 -0.15 1.01 1.91 2.24 2.27 2.27 4.18 4.20 4.15 4.12 1.06 1.35 1.20 1.05 1.05 1.00 0.40 0.44 0.47 0.52 1.53 1.523 1.482 1.382 2.79 3.06 3.20 3.30 0.10 0.40 0.44 0.47 0.52 1.53 1.523 1.482 1.382 2.79 3.06 3.20 3.30 0.10 0.11 0.20 0.20 0.18 4.29 381 381 373 0.21 0.35 0.35 0.35 0.35 0.35 1.20 1.30 1.30 1.12 1.25 1.179 1.218 1.237 3.22 3.44 3.36 3.42 1.39 2.17 2.17 2.17 2.17 0.00 1.225 1.179 1.218 1.237 3.22 3.44 3.36 3.42 1.39 1.35 1.20 1.30 0.50 3.13 2.94 3.13 3.20 4.48 473 4.38 4.37 6.44 6.38 6.31 6.42 0.50 1.30 0.50 1.30 1.30 1.30 1.30 1.30 1.30 1.30 1.3	Turkey	0.74	0.72	0.70	0.70	1,055	1,116	1,151	1,151	3.60	3.70	3.70	3.70	0.00	0.00	0.00	0.00
an 0.45 0.45 0.48 0.48 310 411 458 435 0.64 0.85 1.00 0.95 0.05 0.05 0.30 0.37 0.30 0.28 882 902 871 816 1.57 1.55 1.20 1.05 0.05 0.39 0.37 0.30 0.28 882 902 871 816 1.57 1.55 1.20 1.05 0.05 0.05 0.39 0.37 0.30 0.28 882 902 871 816 1.57 1.55 1.20 1.05 0.05 0.05 0.39 0.37 0.30 0.28 882 902 871 816 1.57 1.55 1.20 1.05 0.05 0.05 0.38 0.30 0.37 0.30 0.38 82 902 871 816 1.57 1.55 1.20 1.05 0.05 0.05 0.08 0.30 0.37 0.30 0.38 82 902 871 816 1.57 1.55 1.20 1.05 0.05 0.05 0.08 0.30 0.37 0.30 0.30 0.30 0.30 0.30 0.30	FSU-12	2.50	2.46	2.53	2.53	572	638	282	220	6.57	7.21	6.82	6.62	-0.20	-2.86	-0.59	-8.18
an 0.45 0.45 0.48 0.48 310 411 458 435 0.64 0.85 1.00 0.95 -0.05 0.57 0.53 0.55 0.55 432 436 478 421 1.12 1.06 1.22 1.07 -0.15 0.39 0.37 0.30 0.28 882 902 871 816 1.57 1.55 1.20 1.05 -0.15 0.039 0.37 0.30 0.28 882 902 871 816 1.57 1.55 1.20 1.05 -0.15 0.039 0.37 0.30 0.28 882 902 871 816 1.57 1.55 1.20 1.05 -0.15 0.088 0.30 0.70 0.70 0.80 0.70 0.70 0.70 0.85 0.85 0.80 0.70 0.70 0.85 0.85 0.85 0.85 0.85 0.85 0.85 0.8	Uzbekistan	1.49	1.48	1.50	1.50	202	778	899	899	4.81	5.30	4.60	4.60	0.00	00.00	-0.70	-13.21
0.57 0.53 0.55 0.55 432 436 478 421 1.12 1.06 1.22 1.07 -0.15 0.39 0.37 0.30 0.28 882 902 871 816 1.57 1.55 1.20 1.05 -0.15 -0.15 inisphere 2.08 2.29 2.22 2.25 606 620 672 669 5.78 6.51 6.85 6.90 0.05 0.00 0.40 0.44 0.47 0.52 1.535 1.523 1.482 1.382 2.79 3.06 3.20 3.30 0.10 0.70 0.85 0.85 0.85 1.50 1.53 1.482 1.382 2.79 3.06 3.20 3.30 0.10 0.11 0.20 0.20 0.18 448 461 461 1.29 1.75 1.80 1.80 0.00 0.00 0.11 0.20 0.20 0.18 429 381 381 373 0.21 0.35 0.35 0.35 0.35 0.35 0.35 1.20 1.20 0.05 0.12 8.85 9.05 9.17 332 302 301 309 13.92 12.26 12.50 13.00 0.50 13.3 3.20 448 478 473 438 437 6.44 6.38 6.31 6.42 0.50 0.50 1.20 0.20 0.30 0.30 0.30 0.30 0.30 0.30 0	Turkmenistan	0.45	0.45	0.48	0.48	310	411	458	435	0.64	0.85	1.00	0.95	-0.05	-5.00	0.10	11.76
o.39 o.37 o.30 o.28 882 902 871 816 1.57 1.55 1.20 1.05 -0.15 nisphere 2.08 2.22 2.27 2.27 418 420 415 412 3.67 4.32 4.32 4.29 -0.03 nisphere 2.08 2.29 2.22 2.25 606 620 672 669 5.78 6.51 6.85 6.90 0.05 0.08 0.80 0.70 0.70 0.85 0.85 0.85 1.52 1.53 1.482 1.382 2.79 3.06 3.20 3.30 0.10 0.70 0.85 0.85 0.85 0.85 1.53 1.53 1.53 1.75 1.80 1.80 0.00 0.00 0.11 0.20 0.20 0.18 429 381 381 373 0.21 0.35 0.35 0.35 0.35 0.05 0.05 0.15 0.55 0.56 0.56 0.56 0.56 0.56 0.56 0.5	Other	0.57	0.53	0.55	0.55	432	436	478	421	1.12	1.06	1.22	1.07	-0.15	-11.93	0.01	0.94
nisphere 2.08 2.29 2.22 2.25 606 620 672 669 5.78 6.51 6.85 6.90 0.05 0.05 0.88 0.80 0.70 0.70 0.70 0.85 0.85 0.85 0.85 0.85 0.85 0.85 0.8	Egypt	0.39	0.37	0.30	0.28	882	902	871	816	1.57	1.55	1.20	1.05	-0.15	-12.50	-0.50	-32.26
misphere 2.08 2.29 2.22 2.25 606 620 672 669 5.78 6.51 6.85 6.90 0.05 0.88 0.80 0.70 0.70 369 367 467 467 1.49 1.35 1.50 1.50 0.00 0.40 0.44 0.47 0.52 1,535 1,523 1,482 1,382 2.79 3.06 3.20 3.30 0.10 0.70 0.85 0.85 0.85 403 448 461 461 1.29 1.75 1.80 1.80 0.00 0.11 0.20 0.20 0.18 429 381 381 373 0.21 0.35 0.35 0.35 0.05 rs 0.55 0.55 0.56 0.56 789 861 847 844 1.99 2.17 2.17 2.17 0.00 12.25 11.79 12.18 12.37 362 344 336 342 20.36 18.64 18.81 19.42 0.61 9.12 8.85 9.05 9.17 332 302 301 309 13.92 12.26 12.50 13.00 0.50 3.13 2.94 3.13 3.20 448 473 438 437 6.44 6.38 6.31 6.42 0.11	African Franc Zone	1.91	2.24	2.27	2.27	418	420	415	412	3.67	4.32	4.32	4.29	-0.03	-0.58	-0.03	-0.58
0.88 0.80 0.70 0.70 369 367 467 467 1.49 1.35 1.50 1.50 0.00 0.40 0.44 0.47 0.52 1,535 1,523 1,482 1,382 2.79 3.06 3.20 3.30 0.10 0.70 0.85 0.85 0.85 0.85 403 448 461 461 1.29 1.75 1.80 1.80 0.00 0.11 0.20 0.20 0.18 429 381 381 373 0.21 0.35 0.35 0.35 0.05 12.25 11.79 12.18 12.37 362 344 336 342 20.36 18.64 18.81 19.42 0.61 9.12 8.85 9.05 9.17 332 302 301 309 13.92 12.26 12.50 13.00 0.50 3.13 2.94 3.13 3.20 448 473 438 437 6.44 6.38 6.31 6.42 0.11	Southern Hemisphere	2.08	2.29	2.22	2.25	909	620	672	699	5.78	6.51	6.85	06.9	0.05	0.73	0.39	5.94
0.40 0.44 0.47 0.52 1,535 1,523 1,482 1,382 2.79 3.06 3.20 3.30 0.10 0.70 0.85 0.85 0.85 0.85 403 448 461 461 1.29 1.75 1.80 1.80 0.00 0.01 0.11 0.20 0.20 0.18 429 381 381 373 0.21 0.35 0.35 0.35 0.30 -0.05 0.17 2.17 2.17 2.17 2.17 0.00 0.55 0.55 0.56 0.56 789 861 847 844 1.99 2.17 2.17 2.17 0.00 0.50 0.12 8.85 9.05 9.17 332 302 301 309 13.92 12.26 12.56 12.50 13.00 0.50 0.11 3.13 2.94 3.13 3.20 448 473 438 437 6.44 6.38 6.31 6.42 0.11	Argentina	0.88	0.80	0.70	0.70	369	367	467	467	1.49	1.35	1.50	1.50	0.00	0.00	0.15	11.11
0.70 0.85 0.85 0.85 403 448 461 461 1.29 1.75 1.80 1.80 0.00 0.11 0.20 0.20 0.18 429 381 373 0.21 0.35 0.35 0.30 -0.05 rs 0.55 0.56 0.56 0.56 789 861 847 844 1.99 2.17 2.17 2.17 0.00 12.25 11.79 12.18 12.37 362 344 336 342 20.36 18.64 18.81 19.42 0.61 9.12 8.85 9.05 9.17 332 302 301 309 13.92 12.26 12.50 13.00 0.50 3.13 2.94 3.13 3.20 448 473 438 437 6.44 6.38 6.31 6.42 0.11	Australia	0.40	0.44	0.47	0.52	1,535	1,523	1,482	1,382	2.79	3.06	3.20	3.30	0.10	3.12	0.24	7.74
rs 0.11 0.20 0.20 0.18 429 381 381 373 0.21 0.35 0.35 0.30 -0.05 rs 0.55 0.56 0.56 0.56 789 861 847 844 1.99 2.17 2.17 2.17 0.00 12.25 11.79 12.18 12.37 362 344 336 342 20.36 18.64 18.81 19.42 0.61 9.12 8.85 9.05 9.17 332 302 301 309 13.92 12.26 12.50 13.00 0.50 3.13 2.94 3.13 3.20 448 473 438 437 6.44 6.38 6.31 6.42 0.11	Brazil	0.70	0.85	0.85	0.85	403	448	461	461	1.29	1.75	1.80	1.80	0.00	0.00	0.05	2.86
rs 0.55 0.56 0.56 0.56 789 861 847 844 1.99 2.17 2.17 2.17 2.17 2.17 2.17 2.17 2.17	Paraguay	0.11	0.20	0.20	0.18	429	381	381	373	0.21	0.35	0.35	0.30	-0.05	-14.29	-0.05	-14.29
12.25 11.79 12.18 12.37 362 344 336 342 20.36 18.64 18.81 19.42 9.12 8.85 9.05 9.17 332 302 301 309 13.92 12.26 12.50 13.00 3.13 2.94 3.13 3.20 448 473 438 437 6.44 6.38 6.31 6.42	Major Importers	0.55	0.55	0.56	0.56	789	861	847	844	1.99	2.17	2.17	2.17	0.00	0.00	-0.01	-0.37
9.12 8.85 9.05 9.17 332 302 301 309 13.92 12.26 12.50 13.00 as 3.13 2.94 3.13 3.20 448 473 438 437 6.44 6.38 6.31 6.42	Other Foreign	12.25	11.79	12.18	12.37	362	344	336	342	20.36	18.64	18.81	19.42	0.61	3.25	0.78	4.20
3.13 2.94 3.13 3.20 448 473 438 437 6.44 6.38 6.31 6.42	India	9.12	8.85	9.05	9.17	332	302	301	309	13.92	12.26	12.50	13.00	0.50	4.00	0.74	6.05
	Others	3.13	2.94	3.13	3.20	448	473	438	437	6.44	6.38	6.31	6.42	0.11	1.76	0.04	0.64

TABLE 19

The table below presents a 17-year record of the differences between the December projection and the final estimate. Using world wheat production as an example, changes between the December projection and the final estimate have averaged 4.3 million tons (0.8 percent) and ranged from -10.2 to 6.1 million tons. The December projection has been below the final 10 times and above the final 7 times.

RELIABILITY OF PRODUCTION PROJECTIONS

COMMODITY AND	PRO	JECTION AND	FINAL ESTIMATE	S, 1981/82 -	1997/98 1/	
REGION	Differen	ce	Lowest	lighest	Below	Above
	Average	Average	Difference		Final	Final
	Percent	Mil	lion metric tons		Number o	f years 2/
WHEAT						
World	0.8	4.3	-10.2	6.1	10	7
U.S.	0.3	0.2	-1.2	0.5	9	6 7
Foreign	0.9	4.3	-10.3	6.3	10	7
COARSE GRAINS 3/						
World	1.0	7.8	-19.8	6.9	10	7
U.S.	1.1	2.4	-7.5	5.8	12	5
Foreign	1.3	7.3	-16.3	7.6	8	9
RICE (Milled)						
World	1.8	5.8	-16.2	1.1	14	3 7
U.S.	2.6	0.1	-0.3	0.2	8	7
Foreign	1.8	5.8	-16.2	1.2	14	3
SOYBEANS						
World	2.3	2.5	-6.6	3.8	9	8
U.S.	2.0	1.0	-2.7	2.1	6	11
Foreign	3.9	2.1	-7.5	2.7	8	9
		Mill	 lion 480-lb. bales 	100		
COTTON						
World	2.5	2.1	-6.3	4.4	7	9
U.S.	1.4	0.2	-0.5	0.4	7	9
Foreign	3.0	2.1	-6.7	4.3	7	9
UNITED STATES		/	i Million bushels			
CORN	1.2	81	-250	159	11	5
SORGHUM	2.5	18	-53	52	9	8 7
BARLEY	1.3	6	-12	24	7	7
OATS	0.9	4	-18	16	6	5

^{1/} The final estimate for 1981/82-1996/97 is defined as the first November estimate following the marketing year.

December 1998

^{2/} May not total 17 if projection was the same as the final.

^{3/} Includes corn, sorghum, barley, oats, rye, millet, and mixed grain.

WORLD AGRICULTURAL WEATHER HIGHLIGHTS

December 11, 1998

further delaying cotton harvesting. Farther east, intensifying drought stretched through a fifth month in the Mid-Atlantic region, extending into parts of the Ohio Valley and Southeast. An exception to the November, promoting final summer crop harvesting and winter wheat establishment. Increasingly wet passage across southern Florida on November 4-5, mid-November, benefiting the region's major winter wheat areas. Meanwhile, cool, occasionally showery weather in California's San Joaquin Valley when heavy rainfall and gusty winds caused minor nationwide, especially during the last 10 days of weather arrived in the Pacific Northwest after Eastern dryness was Tropical Storm Mitch's Above-normal temperatures prevailed nearly damage to vegetables.

development in extreme southern Brazil. Near-normal recent dryness is limiting topsoil moisture for summer rainfall maintained adequate soil moisture elsewhere 2 - SOUTH AMERICA Below-normal November rainfall caused unfavorably in southern Brazil. Despite early November rainfall crop planting and germination in central Argentina. Below-normal rainfall stressed reproductive winter dry topsoils for soybean germination and corn wheat in southern Buenos Aires.

3 - EUROPE Cold, wet weather hampered sugar beet harvesting in since mid-November caused winter grains in western wheat planting in Spain. Unseasonably cold weather cold weather kept winter grains dormant in the north the northwest, while below-normal rainfall helped Topsoil moisture was becoming limited for winter summer crop harvesting in France and Spain. Europe to enter dormancy earlier than usual. and east.

Subscription information may be obtained by calling (202) 720-7917.) More details are available in the Weekly Weather and Crop Bulletin.



USDA/OCE - World Agricultural Outlook Board Joint Agricultural Weather Facility

4 - FSU-WESTERN

north, an unusually early snow cover in northern Russia and Belarus protected winter grains from periods of bitterly cold winter wheat to enter dormancy poorly established, making November in eastern Ukraine and southern Russia caused the crop more susceptible to winterkill conditions. Farther he combination of fall drought and unseasonable cold in weather.

provided abundant moisture for winter grain planting. In Morocco, recent showers prompted widespread winter grain 5 - NORTHWESTERN AFRICA Following a late start to the autumn rainy season, moderate to heavy rain since mid-November in Algeria and Tunisia planting, delayed by previous dryness.

planting pace should be well ahead of last year's drought-hampered effort. In Western Cape, mid-November establishment of corn and other summer crops due to this 6 - SOUTH AFRICA Conditions are mostly favorable for the germination and season's widespread and frequent spring showers. rain caused minor distruptions in the wheat harvest

and oilseed planting progressed across northern and central growing areas while in southern India, rabi (autumn-planted) crops brought heavy rain and local high winds to Conditions elsewhere have been generally have generally favorable moisture levels although late-season showers in central some unharvested cotton. Winter grain favorable for maturing summer crops, India may have affected the quality of n mid-November, tropical cyclones coastal rice areas of eastern India. for establishment.

favored rice harvesting in south-central China, wheat to begin entering dormancy across the region. Below-normal November rainfall below-normal rainfall limited soil moisture for Seasonably cold weather prompted winter the Korean peninsula, and most of Japan. rainfed winter wheat. Adequate irrigation supplies exist for irrigated winter wheat 8 - EASTERN ASIA In the North China Plain, continued

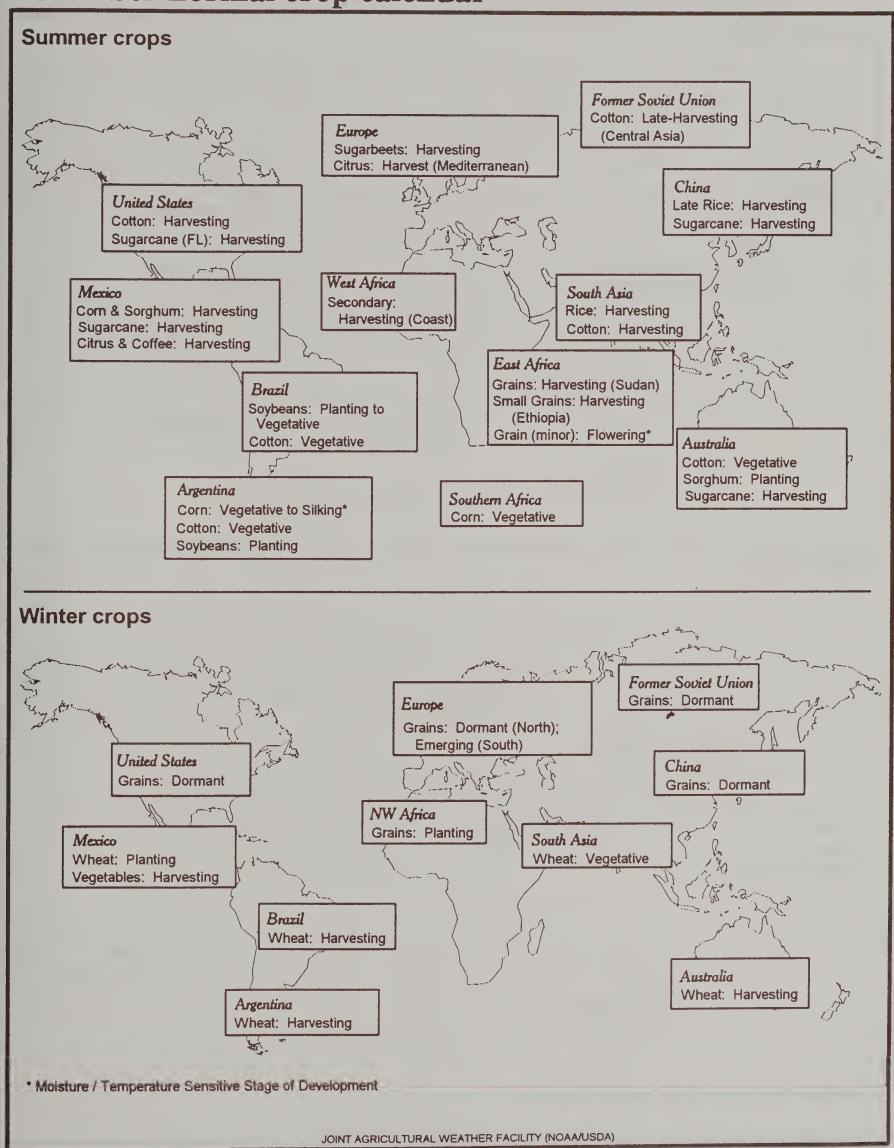
9 - SOUTHEAST ASIA

main-season grains in Java, second-season grains in the Philippines, and oil palm across northeastern Thailand. Near-normal rainfall above-normal rainfall to southern Vietnam During November, three tropical cyclones (Chip, Dawn, and Elvis) brought slowing rice harvesting. Above-normal rainfall also slowed rice harvesting in maintained adequate moisture for peninsular Malaysia.

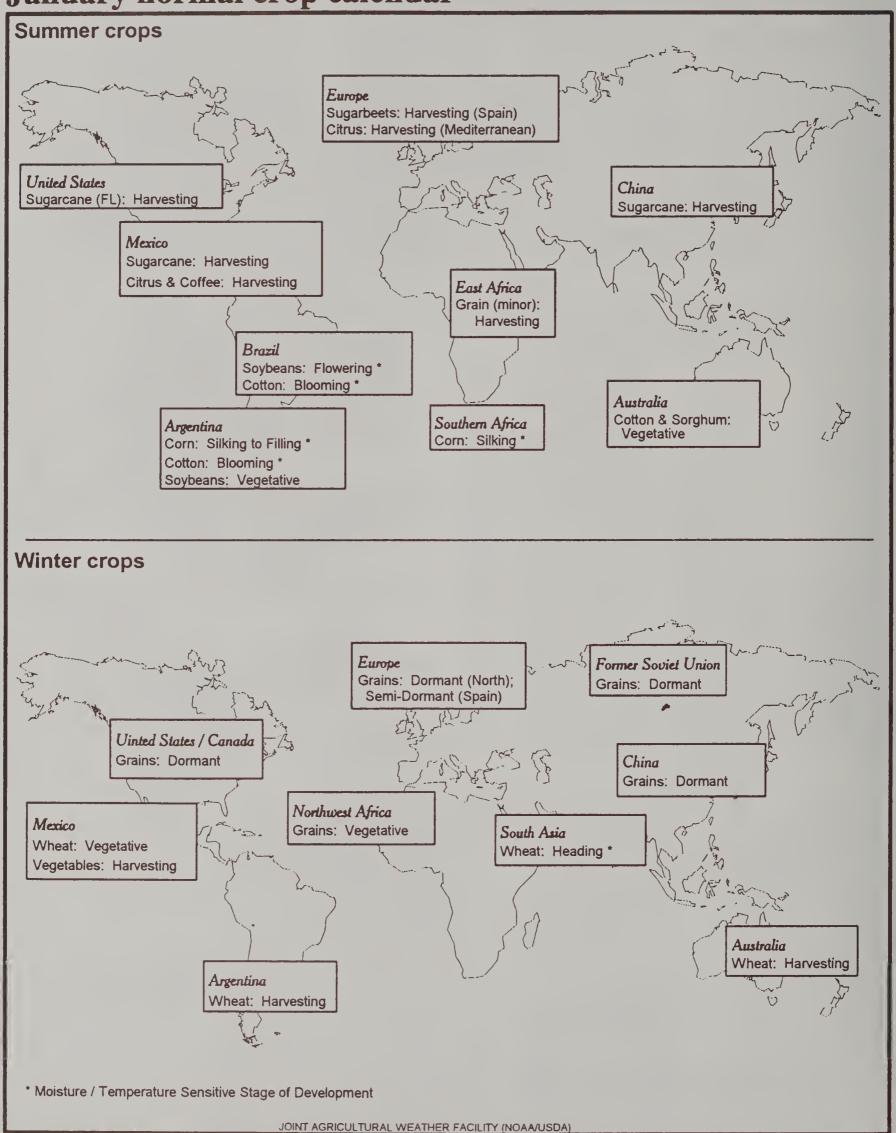
current drying trend in the southeast favors winter grain dry down and harvesting, but recent showers in Western Australia may hampered early development of cotton and 10 - AUSTRALIA During November, periods of locally heavy east coast reportedly resulted in reduced sugarcane production. Elsewhere, the sorghum. Excessive moisture along the rain in east-central Australia worsened winter wheat quality prospects and nave disrupted fieldwork.

USDA/Joint Agricultural Weather Facility

December normal crop calendar



January normal crop calendar



WEATHER BRIEFS

ARGENTINA: CONTINUED DRY IN NORTH CENTRAL GROWING AREA

In October, below-normal rainfall stressed vegetative to reproductive winter wheat across central Argentina. Rain in late October and early November, increased soil moisture levels, helping to stabilize crop prospects. During the first week of November, moderate rain covered northern Buenos Aires, southern Santa Fe, and Cordoba boosting soil moisture for filling wheat and germinating corn and sunseed. However, the major winter wheat areas of southern Buenos Aires received little or no rain, further stressing reproductive wheat. During November 8 - 14, little or no rain fell in southern Santa Fe, stressing filling wheat and slowing summer crop planting. Light to moderate rain benefitted reproductive wheat in southern Buenos Aires and filling winter wheat in southern Cordoba. From November 15 - 28, dry weather returned to southern Buenos Aires, reducing soil moisture for reproductive to filling winter wheat. To the north, heavy showers slowed filling to maturing winter wheat and possibly reduced quality in southern Santa Fe. The moisture, however, erased lingering moisture deficits for summer crop planting. Dry weather, continuing into December 5 in central Argentina, has caused topsoils to become unfavorably dry for soybean and corn planting and germination, especially in northern Buenos Aires. Subsoil moisture supplies should be adequate in southern Cordoba and Santa Fe, but limited in northern Buenos Aires.

BRAZIL: TOO DRY IN RIO GRANDE DO SUL

During October, rainfall continued to be above normal in southern Brazil, slowing harvesting and reducing wheat quality. During the first week of November, drier weather favored winter wheat harvesting and summer crop planting in Parana and Rio Grande do Sul. From November 8 - 14, moderate showers increased soil moisture for soybean and corn planting throughout most areas, except Rio Grande do Sul, where rainfall was light, limiting soil moisture. During November 15 - 21, light to moderate showers eased short-term dryness in Rio Grande do Sul, while elsewhere in southern Brazil drier weather favored summer crop planting. From November 22 - 28, somewhat dry conditions continued across the main crop region. While Brazilian weather data was sparse during this week, satellite data suggested that the main soybean growing areas received only light, scattered rainfall. From November 29 through December 5, mostly dry weather prevailed across Rio Grande do Sul, while scattered showers prevailed to the north. Soybean planting was slightly behind schedule by December 5 in Rio Grande do Sul due to persistent dryness.

NORTHWEST AFRICA: RAINY SEASON GETS OFF TO SLOW START IN WEST

Winter grain planting for 1999/2000, has been delayed across Morocco and western Algeria due to a slow start of seasonal rain. The bulk of the winter grain crop is normally planted from mid-November through mid-December; however, planting often extends into early January, especially in Algeria. Rainfall has been more seasonal across eastern Algeria and northern Tunisia. In mid-November, light to moderate rainfall across the eastern winter grain areas helped initiate planting. From November 22 - 28, moderate rainfall in Tunisia and eastern Algeria provided abundant moisture for winter grain emergence. Showers across western Algeria growing areas, moistened topsoils, while Morocco remained unseasonably dry. During November 29 through December 5, the first significant precipitation since the beginning of the growing season fell over winter grain areas of Morocco. Rainfall amounts ranging from 10 to 34 millimeters prompted widespread planting. Additional rain is needed in Morocco to ensure uniform crop emergence and establishment. In Algeria's grain growing areas, rainfall again moistened topsoils. In Tunisia, little or no rain occurred, providing favorable weather for planting.

PRODUCTION BRIEFS

AUSTRALIA: WHEAT OUTPUT REDUCED DUE TO UNFAVORABLE WEATHER

Australia's 1998/99 wheat output is forecast at 21.0 million tons, down 1.0 million or 5 percent from last month, but up 8 percent from 1997/98. Wheat area is unchanged this month at 11.5 million hectares. Prevailing cool and wet weather has delayed harvesting activities in the Northern States. Both quality and quantity have suffered due to the unfavorable weather, according to a November field report completed by USDA personnel. The following is a brief description of their findings.

Wheat production in Queensland will be nearly double the level achieved in 1997/98; however, excessive rainfall during the growing season has lowered crop quality. Weather in New South Wales (NSW) has been variable with some areas experiencing better-than-normal conditions, while others have been badly affected by frost, flooding, and disease. However, the NSW crop is likely to be larger than the previous season and above the five-year average. In Victoria, the crops have been negatively affected by very dry weather at critical times in the Mallee, frost damage in the Wimmera, and late rain in some areas. Victoria's crop size is expected to be below both last season and the five-year average. South Australia may have a record crop due to a larger planted area and above-average yield, despite some problems with frost, late rain, and disease. Western Australia appears set for a record crop despite frost events, rain, and cool conditions that delayed harvest. Early indications of frost damage in Western Australia appear to have been exaggerated and have been offset by excellent yields in the northern and southern wheat belt.

While the wheat harvest will be one of the largest on record, adverse weather conditions are expected to result in a significant quantity of wheat being reduced to feed or general purpose grade. There are reports of extensive grain discoloration. The result of this downgrading has been that a lot of grain has been stored on farm due to the expectation that this grain may attract a higher price in the future. The Australian Wheat Board is reportedly moving to maximize delivery of this grain by offering higher prices for grain (especially higher protein) that has a higher than normal quantity of defects, and then blending the grain to maximize return.

CANADA: GRAIN OUTPUT REVISED HIGHER BY STATISTICS CANADA

Wheat production for 1998/99 is estimated at 24.4 million tons, up 1.1 million from last month and up slightly from last season, according to a recent Statistics Canada report. Harvested area increased 0.2 million hectares to 10.8 million. Yield increased to an estimated 2.27 tons per hectare, third highest on record. Although dry weather during July and August stressed the crop, late season rain helped wheat recover. Durum wheat is estimated at a record 6.1 million tons due to record area. Corn production is also pegged at a record, 8.9 million tons, up 1.3 million from last month and up 24 percent from last season. Corn area, estimated at 1.1 million hectares, is slightly off the 1984 record. Yield is estimated at a record 7.96 tons per hectare, up 8 percent from the previous 1994/95 record. Favorable weather helped to boost corn yield. Barley, oats, and rye changed little from the previous month, estimated at 12.7 million, 4.0 million, and 0.4 million tons, respectively.

RUSSIA: WHEAT AND CORN OUTPUT LOWERED BASED ON HARVEST PROGRESS

Wheat production for 1998/99 is estimated at 27.0 million tons, down 1.0 million from last month and down 17.2 million from last year. Harvest reports and official forecasts indicate that total netweight grain production for 1998/99 is unlikely to exceed 50.0 million tons, compared to over 87.0 million for 1997/98. Estimated total-grain yield is down approximately 40 percent from last year because of severe drought that had a significant negative impact on both winter and spring wheat plantings in the Volga Valley and adjacent regions. Corn production is estimated at 1.0 million tons, down 0.2 million from last month and down 1.7 million from last year. Estimated yield is down due to persistent drought in parts of the North Caucasus region.

UKRAINE: COARSE GRAIN PRODUCTION REDUCED

Estimated 1998/99 coarse grain output for Ukraine is down 7 percent from last month to 10.3 million tons, based on a recent report from the U.S. agricultural counselor in Kiev. The spring-planted coarse grains were severely affected by hot, dry weather that prevailed over southern and eastern Ukraine as the crops were advancing through the reproductive stage of development. Barley production is estimated at 6.2 million tons, down 0.1 million from last month and down 1.2 million from last year. Rye production is estimated at 1.2 million tons, down 0.2 million from last month and also down 0.2 million from last year. Oat production is estimated at 0.9 million tons, down 0.2 million from last month and down 0.1 million from last year. Corn production is estimated at 1.6 million tons, down from 0.4 million from last month and down 3.7 million from last year.

SOUTH AFRICA: CORN AREA HIGHER

South Africa's corn production for 1998/99 is estimated at 9.0 million tons, an increase of 0.5 million from last month and up 1.5 million from last year. Corn area is estimated at 3.2 million hectares, up 8 percent from a year ago. Beneficial rainfall at the beginning of the planting season encouraged farmers to increase corn area by an estimated 200,000 hectares. According to a recent Government survey of planting intentions, area planted to white corn, which is used for human consumption, is expected to increase by 136,000 hectares in 1998/99. Yellow corn suffered a large area decline in 1997/98, but farmers are planning to increase area by 64,000 hectares this year in response to higher prices. Although planting is off to a solid start, sowing can continue into mid-January if necessary.

ARGENTINA: GRAIN PRODUCTION REDUCED DUE TO DRYNESS

The 1998/99 wheat crop is forecasted at 10.0 million tons, down 0.5 million or 5 percent from last month, and down 4.8 million or 32 percent from last year. Harvested area is reduced 0.1 million hectares to 4.6 million this month due to continued dryness in southern Buenos Aires. The wheat crop in southern Buenos Aires province passed the flowering stage in mid-November and is now in grain fill. A combination of reduced input use due to depressed prices at planting and inclement weather conditions in southern Buenos Aires are contributing factors in reducing the wheat crop.

Argentine corn production for 1998/99 is estimated at 13.5 million tons, down 1.5 million tons or 10 percent from last month, and down 5.9 million tons or 30 percent from last year's record crop due to the impact of lower prices, delayed plantings, and dry weather. Harvested area is currently

estimated at 2.8 million hectares, down 0.2 million hectares or 7 percent from last month. About 73 percent of the corn crop has already been planted as of the end of November. Area is being shifted from corn to soybeans and sunflowerseed this year because of relatively better returns for those crops.

Rainfall during November and early December has improved in the previously dry regions of Cordoba and Santa Fe. However, the situation in southern Buenos Aires remains critical due to continued dryness, and additional rainfall is needed for crop development. Generally, temperatures have remained normal to below normal over the region.

BRAZIL: CORN PRODUCTION ESTIMATE LOWERED

Brazil's 1998/99 corn production is estimated at 33.5 million tons, down 1.0 million or 3 percent from last month, but 8 percent above last year. Harvested area is estimated at 12.7 million hectares, down 0.3 million from last month, but 9 percent above last year. Dry weather during November in southern Brazil has caused producers to reduce plantings; however, northern Parana and southern Mato Grosso received widespread showers (0.5 - 2.0 inches) benefitting the corn crop now being planted. Year-to-year, farmers are shifting area from soybeans to corn in response to relatively lower soybean prices and reduced corn stocks.

CHINA: LATE RICE YIELDS BOOSTED BY GOOD WEATHER

China's rice production for 1998/99 is estimated at 133.0 million tons (milled basis), up 1.0 million or nearly 1 percent from last month, but down 5 percent from last year's record crop. The revision is based on higher estimated yield for the late rice crop, which benefitted from favorably warm and dry weather during grain fill and harvest. Estimated total rice area is unchanged at 31.3 million hectares, but down 0.5 million from last year. The Ministry of Agriculture reported that early-rice area dropped 4 to 5 percent in 1998/99 due to low prices and weak demand. In addition, severe flooding in central China caused some area losses and delayed late-rice transplanting. In contrast, stable area and high yields are expected for China's single-crop rice, which was largely unaffected by severe weather in 1998/99.

SOUTH KOREA: RICE OUTPUT RAISED

The 1998/99 milled rice production for South Korea is raised 0.3 million tons this month to an estimated 5.0 million as producers overcame severe weather constraints by greatly increasing the use of fertilizer, pesticide and fungicide. Yield is estimated at 6.38 tons per hectare, up 6 percent from last month, but down 9 percent from last season and near the five-year average. According to the U.S. agriculture attache in Seoul, mountain production areas experienced lower-than-normal temperatures during June and July that retarded yields. Southwest provinces suffered continuously overcast conditions during July and August that hampered normal development leaving plants susceptible to wind, insect, and disease damage. Northwest provinces flooded under torrential rains during late July/early August that washed out many paddy fields. Also, southeast provinces flooded late in the season due to typhoon Yanni. Sprout damage due to lodging is estimated at eight percent of production on that acreage. The crop's quality is suspect with breakage expected to be substantially higher than normal.

BANGLADESH: RICE OUTPUT LOWERED

The 1998/99 milled rice production for Bangladesh is estimated at 17.8 million tons, down 0.3 million from last month and down 5 percent from last season. Output is reduced again this month due to a cyclonic storm in the southern coastal region which damaged the ready-to-harvest early aman crop. (The aman crop represents over 40 percent of the total-rice.) Also, there are reports of heavier than normal insect damage in major rice surplus areas of the north.

INDIA: RICE PRODUCTION DOWN DUE TO EXCESS RAIN

For India, the 1998/99 rice output is estimated at 81.0 million tons (milled basis) down 0.5 million tons from last month and 1 percent below the revised estimate of last year's crop. Area is revised higher to 42.7 million hectares from 42.3 million. Heavy, late-season and post-monsoon rains coinciding with the harvesting and marketing of rice in Punjab and Haryana have reportedly caused significant losses and aggravated quality problems, according to the U.S. agriculture attache in New Delhi. Andhra Pradesh, the major rice growing state in south India also experienced heavy rains and flooding in mid-October, tempering rice production prospects.

In addition, based on data received from various state governments, the Ministry of Agriculture has revised its 1997/98 rice production estimate downward to 82.1 million tons, (71.9 million during the kharif (fall harvested) season and 10.2 during the rabi (spring harvested season) from its earlier estimate of 83.5 million. Area increased from 42.2 million hectares to 43.1 million.

EGYPT: RICE OUTPUT LOWERED

Milled rice production is estimated at 3.1 million tons, down 0.4 million this month and down 15 percent from 1997/98. Total rice area is estimated at 0.5 million hectares, about 20 percent lower than 1997/98, but still exceeding the government target by about 60 percent. The decline in area planted from last year's level was due to the fact that some farmers were concerned that the government might enforce fines for violating the target area this year. Yield increased this year to a record 8.93 tons per hectare. This was mostly due to the increase in area cultivated with new high yielding varieties (short grain). The short grain "Japonica" variety comprises approximately 85 percent of the rice crop and is preferred by Egyptian consumers to the higher-yielding, long grain "Phillipini" variety.

Rice is a major summer crop in Egypt, occupying 10 percent of Egypt's total cropped area. All of the rice crop is irrigated. Rice requires a special irrigation regime and its cultivation is largely restricted to the northern part of the Delta. It is often grown as a reclamation crop where the soil is fairly saline and in various stages of productively. Also, limited amounts of rice are grown in the middle Delta and in Upper Egypt. With irrigation water provided free of charge and a much higher profitability of rice cultivation compared to other traditional summer crops, farmers normally exceed the area targeted by the government for rice cultivation despite the prospect of fines of £E 1000/feddan for those who violate their targeted areas. The collection of fines imposed on farmers who violate their target rice areas is rarely enforced by the government, and many farmers still owe the government a lot of money. Due to a high flood level of the Nile in 1998, the government has decided to forego the fine imposed on farmers who violated their target rice area this year. Fines from previous seasons remain payable.

VIETNAM: RICE OUTPUT INCREASED

Vietnam is estimated to produce 18.5 million tons of rice during 1998/99, up 0.5 million from last month, but down 2 percent from last season's revised record level. During 1997/98, farmers faced the enviable combination of high paddy prices and generally favorable weather, according to the U.S. agriculture attache in Hanoi. Despite localized severe dislocations in Central Vietnam, the El Niño effect was largely benign on the primary production centers of the Mekong River Delta (MRD) and Red River Delta (RRD). Vietnam's production for 1997/98 enjoyed a huge boost during the key summer-autumn crop in the MRD, as farmers responded to high prices and expanded planted area to a record 2.1 million hectares. Also, yield rose as farmers, fearing drought later in the season, selected short-cycle, high-yielding varieties. High paddy prices encouraged investment in inputs and better management that in turn improved yields.

As of late November, almost 50 percent of the 1998/98 first crop (lua mua, or 10th month crop) has been harvested. The lua mua crop stretches from north to south, but is concentrated in the RRD (23 percent) and the MRD (24 percent). Early reports indicate that the yield has been very good in the RRD, with prices in the RRD softening slightly to about 2,000-2,150 VND/kg (\$US1.0 = 13,950VND) due to harvest pressure.

Ministry of Agriculture & Rural Development (MARD) experts anticipate drought will affect the crucial winter-spring crop (harvested Feb-Mar 1999) in the MRD. Accordingly, MARD has advised farmers in low-lying areas to plant by December 15, while farmers in higher, non flood-prone areas should plant by November 15. An estimated 175,000 hectares of the MRD have already been planted to the winter-spring crop. This crop is the primary export crop for Vietnam because of its inherently superior quality characteristics. MARD notes with some caution that pool levels in the Mekong River are currently at the lowest levels in 40 years. In normal years, the rainy season in the MRD is accompanied by flooding from sources up river.

ARGENTINA: SOYBEAN PRODUCTION ESTIMATED HIGHER

Argentina's 1998/99 soybean production is estimated at 17.0 million tons, up 0.5 million or 3 percent from last month, but down by about 10 percent from last year's record crop. The harvested area is currently estimated at 7.3 million hectares, up 0.2 million hectares or 3 percent from last month. The increase in area is due to dryness at planting which caused a shift in acreage from corn to soybeans and sunflowerseed, as well as expected higher returns. About 52 percent of the crop has been planted through the end of November and planting will continue through January.

RUSSIA: SUNSEED OUTPUT DOWN DUE TO DROUGHT, INPUT PROBLEMS

Russia's sunflowerseed production for 1998/99 is estimated at 2.8 million tons, down 0.5 million from last month and down marginally from last year. Despite a 15-percent increase in sown area, to a record-matching 4.1 million hectares, output did not surpass last year's level. Persistent drought in key sunflower regions, combined with a continued reduction in the application of fertilizers and plant-protection chemicals, drove yield to the lowest level in over 35 years.

CANADA: RAPESEED AND SOYBEAN ESTIMATES REVISED HIGHER

Canadian producers grew a record quantity of rapeseed and near record quantity of soybeans this season, according to Statistics Canada's <u>November Estimate of Production of Principle Field Crops</u> released on December 7. Drought during July and August had many analysts and farmers expecting lower yields than what are now being estimated, but beneficial rainfall just before harvest resulted in a year-to-year increase in rapeseed yield and a record soybean yield.

This year's record rapeseed output of 7.6 million tons resulted from the second highest harvested area combined with a yield that was well above average. Favorable prices relative to small grains and strong demand partly due to increased domestic processing capacity contributed to the high harvested area figure. Statistics Canada estimated the soybean harvest at 2.7 million tons the second highest on record and down just 1,000 tons from last year. Although soybean seeded area was down roughly 80,000 hectares, an increase of about 0.2 tons per hectare in yield was the major reason for the high production. Additionally, sunflowerseed production is estimated by Statistics Canada at 112,000 tons, the highest level in 4 years.

UNITED STATES: CROP CONDITION AND PROGRESS

A large mass of cold air arrived from Canada early in November and brought the first major snowstorm days later. Harvest activities were halted and wheat fields were blanketed with at least a few inches of snow in the northern Great Plains. A few days later, another storm delivered a mixture of snow and freezing rain in the northern Plains. As the system moved eastward, it produced heavy rains and damaging winds in parts of the Corn Belt and Mississippi Valley. During the second half of the month, temperatures averaged well above normal across most of the Nation, aiding development of winter wheat in the central and southern Great Plains, Mississippi Delta, southern and eastern Corn Belt, and Southeast. Dry conditions also prevailed over much of the Nation during the last half of the month, aiding harvest efforts and fall tillage operations. Harvest activities slowly resumed late in the month in the northern Plains and upper Mississippi Valley following earlier storms.

Harvest of the Nation's corn and soybean crops was nearing completion as November began. Progress for both exceeded the average due to early ripening and good harvest weather. Nationally, the corn harvest was more than 1 week ahead of normal, with some areas of the northern Corn Belt more than 2 weeks ahead of average. The soybean harvest pace slowed as the end of the season approached, and was less than 1 week ahead of the 5-year average as the month began. Favorable weather during the month allowed the corn and soybean harvest pace to continue ahead of normal despite isolated delays. The corn harvest briefly fell behind normal in parts of the central Great Plains near mid-month, but warm, dry weather returned and the harvest pace quickly moved back ahead of the 5-year average.

Most of the Nation's winter wheat was seeded as November began, but progress was slightly behind normal. Planting was virtually complete in the northern Plains and Rocky Mountains, while growers in the Southeast and Southwest were just starting to gain momentum. By mid-month, most planting in the central and southern Great Plains and eastern Corn Belt was complete. Rain delayed planting efforts in parts of the southern Corn Belt. Dry soils forced growers in the Southeast to delay planting

until early-month showers partially relieved topsoil dryness. Emergence also lagged behind normal, partly because of late planting and partly due to dry soils, especially in the Great Plains and Southeast. Emergence improved in the Great Plains and Mississippi Delta after early-month soaking rains. Warm weather during the last half of the month stimulated growth in the central and southern Great Plains, Corn Belt, and lower Mississippi Valley.

The cotton harvest began November more than 1 week ahead of normal and remained ahead of the average throughout the month. Mostly dry conditions allowed growers in the lower Mississippi Valley to complete their harvest by mid-month. Dry weather also aided harvest in the Southeast, but harvest progress lagged in California due to the late-maturing crop.

Sorghum harvest progressed slightly ahead of normal until mid-November, when rains slowed progress in the Great Plains and southern Corn Belt. Dry conditions aided progress during the second half of the month, except in the northern Plains where progress was halted by early-month winter storms. Harvest resumed late in the month as muddy fields slowly dried. The peanut harvest also progressed ahead of normal, as dry weather prevailed in most peanut producing regions. Florida growers finished harvesting far ahead of the 5-year average.

FORMER SOVIET UNION: WEATHER AND CROP DEVELOPMENTS

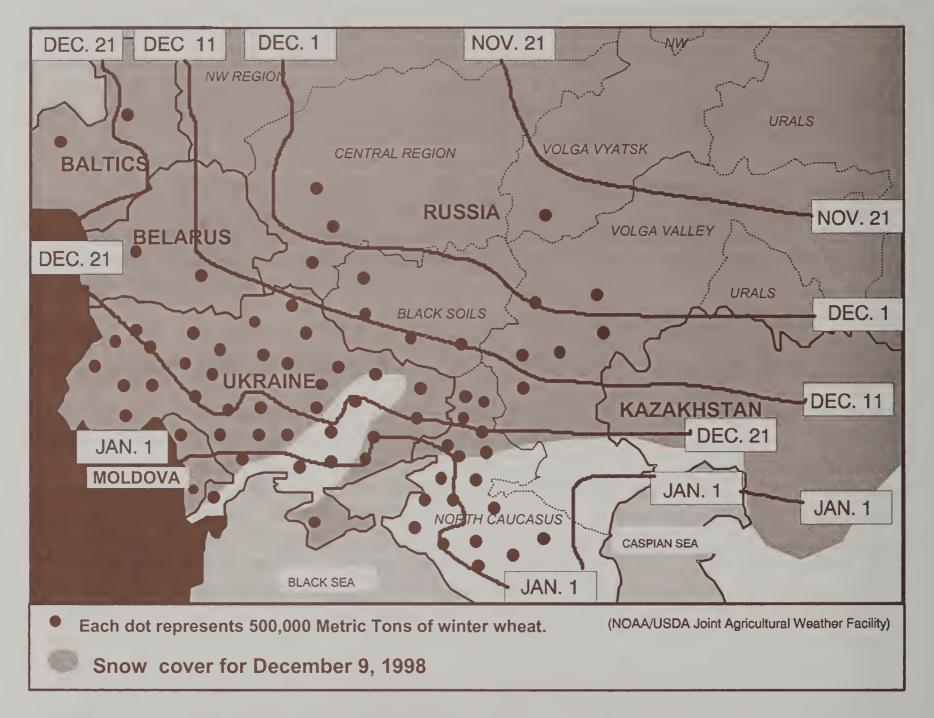
In early November, unseasonably cold, snowy weather spread rapidly south over winter grain areas in Russia, Ukraine, Belarus, and the Baltics, ending a period of unseasonable warmth that had persisted over these areas for several weeks. The wintry weather halted further growth of poorly established winter grains in eastern Ukraine and southern Russia and induced crops into dormancy. As a result of fall drought and the sharp drop in temperatures in early November, winter wheat in primary growing areas of eastern Ukraine and southern Russia (southern Black Soils region, lower Volga Valley, and the North Caucasus region) entered dormancy poorly established, making the crop more susceptible to potential winterkill conditions. However, above-normal precipitation in November eased chronic dryness in eastern Ukraine and southern Russia, improving soil moisture levels. In the Baltics, Belarus, and northern Russia (Central Region, Volga Vyatsk, northern Black Soils region, and the upper Volga Valley) the cold weather was accompanied by moderate to heavy snow. The snow protected winter grains from bitterly cold weather (extreme minimum temperatures ranging from -15 to -29 degrees C) that occurred during the month. However, the snow fell on mostly unfrozen soils, increasing the risk of fungal development and plant rotting if the snow were to persist for a sufficient amount of time.

Since early December, unseasonably cold weather continued over Russia, Ukraine, Belarus, and the Baltics, maintaining a protective snow cover as far south as southern Ukraine and the northern tip of the North Caucasus region in Russia. Although winter wheat areas in the extreme southern Ukraine and the southern half of the North Caucasus remained snow-free, temperatures did not fall low enough to threaten dormant crops.

Tom Puterbaugh (202) 720-2012

FORMER SOVIET UNION (WESTERN)

NORMAL DATES OF APPEARANCE OF SUSTAINED SNOW COVER

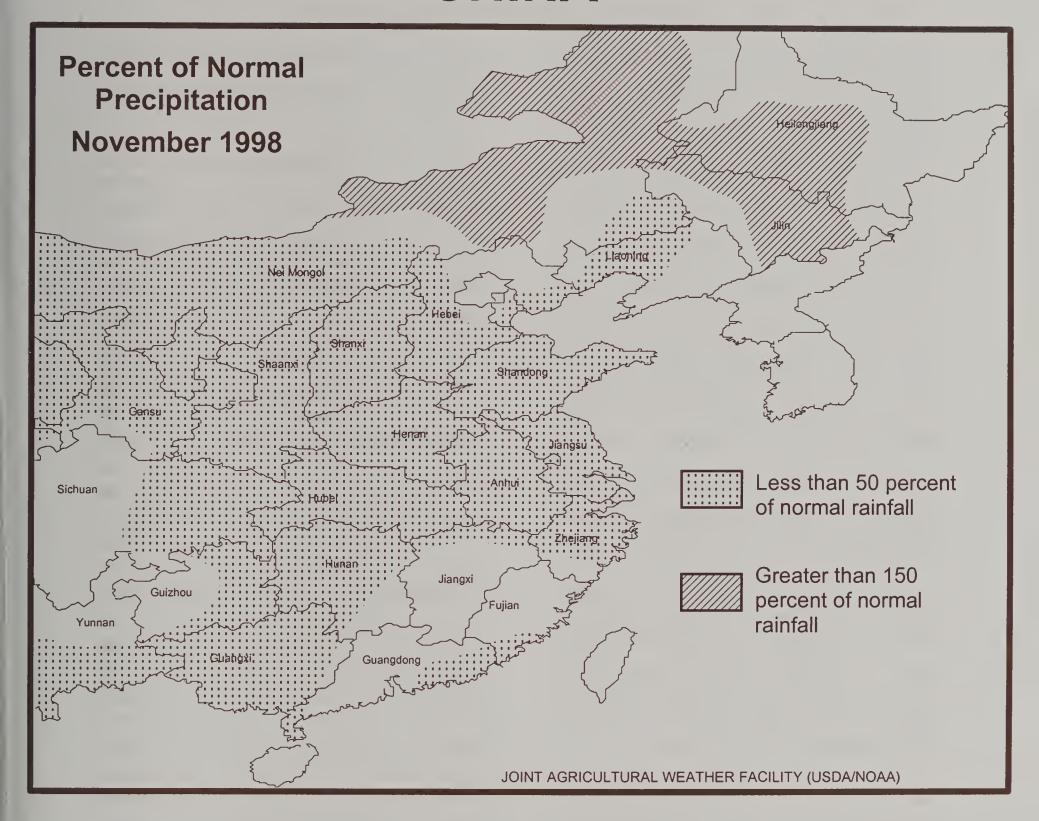


WEATHER AND CROP HIGHLIGHTS

December 11, 1998

- o Unusual cold in November prompted dormancy in winter grains in southern areas.
- o The combination of fall drought and unusual cold in November in primary winter wheat producing areas of eastern Ukraine and southern Russia caused the crop to enter dormancy poorly established, making it more susceptible to potential winterkill.
- o Snow cover has persisted over winter grain areas as far south as southern Ukraine and the northern tip of the North Caucasus region in Russia since the middle of November, providing adequate protection from periods of bitterly cold weather.

CHINA



WEATHER AND CROP HIGHLIGHTS

DECEMBER 11, 1998

- In North China Plain, continued below-normal rainfall limited soil moisture for rainfed winter wheat. Adequate irrigation supplies existed for irrigated winter wheat.
 Seasonably cold weather prompted winter wheat to begin entering dormancy across the region.
- Below-normal November rainfall favored rice harvesting in south-central China.

FEATURE COMMODITY ARTICLES

MAJOR WORLD COTTON PRODUCERS

World cotton production for 1998/99 is forecast at 84.2 million 480-pound bales, down 8 percent from last year. World area is forecast to decrease 3 percent to 32.7 million hectares, while yield is down 6 percent from a year ago to 550 kilograms per hectare. The world's largest cotton producers, the United States and China, are projected to account for 38 percent of global production, down from 44 percent last year. The United States' production accounts for most of the total drop, falling from 21 percent of output last year to only 16 percent for 1998/99. The top seven producers of 1998/99 are expected to contribute 76 percent of the world cotton output compared with 79 percent in 1997/98.

Of the seven major producers, only India, Pakistan, and Australia are forecast to exceed last year's output. Output in the other major producers were down because of insect damage, disease, untimely cool weather, drought, and/or floods. This report highlights the top seven cotton producing nations which include the United States, China, India, Pakistan, Uzbekistan, Turkey, and Australia. These countries are estimated to produce 64.4 million bales of cotton this season.

United States: The United States is currently the world's second largest cotton producer. Output for 1998/99 is estimated at 13.5 million bales, down 5.3 million from last year. Harvested area and yield have declined dramatically from last year due to a combination of hot, dry weather extending from Texas to the Southeast and cool, wet conditions in California. Year-to-year, area dropped 1.2 million hectares from 1997/98 while yield is projected at only 697 kilograms per hectare compare to 762 kilograms in 1997/98. The 1998/99 yield is the lowest

since 1995/96 when Texas suffered yield losses due to insect damage and cool, wet conditions.

China: The world's largest cotton producer is estimated to produce more than one-fifth of the global output this year, despite damage from excessive rain and floods in southern China. Production is estimated at 18.8 million bales, down 2.3 million or 11 percent from last year. The projected yield of 910 kilograms per hectare is lower than last year's record yield of 1,021 kilograms, but higher than the 5-year average of 860 kilograms per hectare. Warm spring temperatures and abundant rainfall created favorable conditions for planting and germination in the North China Plain. Following a cool, wet spring conditions were favorable to crop development in Xinjiang.

India: The 1998/99 cotton crop is forecast at 13.0 million bales, 4 percent higher than last year's crop of 12.3 million. Harvested area is forecast at a record 9.2 million hectares. The increase of 0.3 million hectares over 1997/98 occurred largely in the central states of Andhra Pradesh, Gujarat, and Maharashtra. Responding to high 1997/98 cotton prices and depressed prices for tobacco and chillies, farmers shifted the additional area into cotton. Production increases in the central and southern states more than offset losses in the northern states of Punjab and Haryana, where September-October rains and subsequent insect infestation lowered estimated production. The central and southern states received intermittent Fall rains which supported additional boll formation, allowing late-season pickings in a number of rainfed areas. However, a small proportion of the early crop in these states was damaged by the unseasonable moisture

Production in 1998/99 is Uzbekistan: estimated at 4.6 million bales, down 0.7 million or 13 percent from last year. Lint yield is forecast at 668 kilograms per hectare, down 14 percent from last year. Preliminary official figures indicate that farmers harvested slightly over 3.2 million tons of raw cotton in 1998/99 or 80 percent of the government's target. This is the lowest harvest since 1966/67 when 3.4 million tons were produced. Cool, wet weather, which delayed crop development, and pests were the main problems this season. In addition, lack of quality seeds and varieties played an important role in the production downturn.

Pakistan: For 1998/99, the cotton crop is forecast at 7.5 million bales, up 7 percent from last year's insect-reduced crop. Area is forecast at 2.9 million hectares, unchanged from 1997/98. Yield is forecast at 563 kilograms per hectare, above the five-yearaverage of 522 kilograms and substantially higher than 515 kilograms per hectare for 1997/98. On the whole, cotton is three-tofour weeks late due to poor germination caused by poor quality planting seeds and delayed availability of irrigation water in the lower Sindh at planting. As a result, the crop continues to develop in most areas. Abovenormal shedding due to unusually high temperatures from June through August reduced the number of mature bolls per plant. However, better conditions later in the season appear to have compensated for these losses. Pests have not been a serious problem and pest management is reportedly good. Rains in mid-September in the Sindh negatively impacted less than 5 percent of the crop as most farmers had picked the opened bolls before these unusual rains. Farmers also drained their fields to minimize rain losses. Rains were less intense and, therefore, beneficial in the Punjab by lowering temperatures and enhancing lateseason development.

Turkey: Cotton production in for 1998/99 is forecast at 3.7 million bales, equaling last year's level. At the outset of the season, unusual cool and wet weather had a significant negative impact on the development of the young cotton plants. Sources had estimated that as much as 30 percent of the Aegean crop was replanted and prospects for recovery did not appear favorable. Cool weather and flooding in other cotton-growing areas, particularly the southeast, also appeared to have a negative impact on production, though problems in other cotton areas have not been as severe as in the Aegean region. As the season progressed, the weather turned hot and dry allowing cotton to overcome the slowed development due to the earlier unfavorable weather. Recently, cotton fields were inundated with floods during the second (hand) picking, resulting in a further negative effect on yields. Reports indicate that about 140,000 bales of cotton may have been destroyed. However, increases in production in regions of Eastern Turkey are expected to keep overall production near 3.7 million bales.

Australia: Production for 1998/99 is estimated at a record 3.3 million bales, up 0.2 million or 8 percent from last year. High reservoir levels and heavy rains during September-October boosted cotton production prospects this season. As a result, both irrigated and dryland cotton areas are projected to increase. Planted area is estimated at a record 520,000 hectares, up 32,000 hectares or 7 percent from last year. Due to plentiful irrigation water and soil moisture, a record 380,000 hectares of irrigated cotton are forecast, up 35,000 hectares from last season.

Dryland cotton increased from 80,000 hectares last year to 140,000 hectares in 1998/99 due to good soil moisture and continued favorable returns to cotton relative to other summer crops. However, a lower total-yield is expected because of the increase in area for dryland cotton and marginal land. The current

lower-than-normal temperature, which has put the crop back around two weeks, could reduce yield potential if it is the prevails over the next two months.

Ron Roberson, Cotton Chairperson

Telephone: (202) 720-0879 E-mail: roberson@fas.usda.gov

TABLE 20

MAJOR COTTON PRODUCERS

	480-LB			AREA		LINT
	BALES	PERCENT OF	YIELD	HARVESTED	PERCENT	MT
	(1000)	PRODUCTION	(Kg/ha.)	(1000 ha.)	OF AREA	(1000)
Application of the second			(1.03.11.11)	(00000000000000000000000000000000000000		(1000)
			98/99			
WORLD	84,197	100.00	560	32,748	100.00	18,332
FOREIGN	70,745	84.02	540	28,544	87.16	15,403
TOP SEVEN	64,352	76.43	596	23,494	71.74	14,011
China	18,800	22.33	910	4,500	13.74	4,093
United States	13,452	15.98	697	4,204	12.84	2,929
India	13,000	15.44	309	9,170	28.00	2,830
Pakistan	7,500	8.91	563	2,900	8.86	1,633
Uzbekistan	4,600	5.46	668	1,500	4.58	1,002
Turkey	3,700	4.39	1,151	700	2.14	806
Australia	3,300	3.92	1,382	520	1.59	718
Other	19,845	23.57	467	9,254	28.26	4,321
		19	97/98			
WORLD	91,391	100.00	594	33,515	100.00	19,898
FOREIGN	72,598	79.44	562	28,145	83.98	15,807
TOP SEVEN	71,214	77.92	637	24,322	72.57	15,505
China	21,100	23.09	1,021	4,500	13.43	4,594
United States		20.56	762	5,370	16.02	4,092
India	12,258	13.41	302	8,850	26.41	2,669
Pakistan	7,000	7.66	515	2,959	8.83	1,524
Uzbekistan	5,300	5.80	778	1,483	4.42	1,154
Turkey	3,700	4.05	1,116	722	2.15	806
Australia	3,063	3.35	1,523	438	1.31	667
Other	20,177	22.08	478	9,193	27.43	4,393
Other	20,177	22.00	410	3,100	21.40	4,000
			ROM 1997/98			
	480-lb	480-lb	SHARE OF	AREA	AREA	SHARE OF
	BALES	BALES	CHANGE	HARVESTED	HARVESTED	CHANGE
	(1000)	(% CHANGE)	(PERCENT)	(1000 Ha)	(% CHANGE)	(PERCENT)
WORLD	-7194	-8	100.00	-767	-2	100.00
FOREIGN	-1853	-3	47.39	399	1	32.48
TOP SEVEN	-6862	-10	96.73	-828	-3	96.47
China	-2300	··· -11	22.66	0	0	0.00
United States	-5341	-28	52.61	-1166	-22	67.52
India	742	6	7.31	320	4	18.53
Pakistan	500	7	4.93	-59	-2	3.42
Uzbekistan	-700	-13	6.90	17	1	0.98
Turkey	0	0	0.00	-22	-3	1.27
Australia	237	8	2.33	82	19	4.75
Other	-332	-2	3.27	61	11	3.53

December 1998

Production Estimates and Crop Assessment Division, FAS, USDA

In October, an FAS analyst and the U.S. agricultural attache in Beijing traveled to Xinjiang Uygur Autonomous Region in northwest China. They met with agricultural officials and others to discuss the current grain, cotton, and livestock situation in Xinjiang. They also visited Xinjiang Agricultural University in Urumqi, the capital of Xinjiang, and discussed these topics with members of the faculty. Later, they traveled to Kashgar prefecture, located in western Xinjiang, to meet with local government officials and discuss the agricultural situation in the region. At the time of the visit in mid-October, harvesting was underway completed for cotton, rice, and corn, and planting had started for the 1999/2000 winter wheat crop. The following report is based, in part, on information gathered during the trip.

Overview of Xinjiang Uygur Autonomous Region: Xinjiang Uygur Autonomous Region, the largest province in China, is located in the northwest corner of the country and bordered by Mongolia, Kazakstan, Kyrgyzstan, Tajikistan, Afghanistan, Pakistan, and India. Although it ranks first in size, it ranks 23rd (out of 31 provinces and municipalities) in crop area and 24th in population. Xinjiang's 17 million people represent many different ethnic groups, including Uygur, Han, Kazak, Hui, Mongolian, Kirgiz, Tajik, Russian, Manchu, and Tatar.

Xinjiang is a land of extreme topography and climate. The elevation varies from 28,240 feet at the top of Qogir Peak to 540 feet below sea level in the Turpan Depression. There are several large mountain ranges -- the Kunlun, Karakorum, and Altun Ranges in the south; the Altay Range in the north; and the Tian Shan Range in the central region. Deserts cover huge areas of southern, eastern and northern Xinjiang, and the average annual

rainfall is only 150 to 200 mm (6 to 8 inches). Due to the dry climate, cultivation is only possible where rivers, fed by melting snow, flow down from the mountains and provide water for irrigation. Xinjiang is also vulnerable to natural disasters such as drought, blizzards, windstorms, and floods. Despite these difficulties, Xinjiang has several agricultural advantages: a long growing season of 170 to 200 days, nearly 3 million hectares of arable land, bright sunshine, expansive grasslands, and a reliable supply of irrigation water.

Cotton: Xinjiang's most important agricultural crop is cotton. The sunny and dry climate is considered nearly ideal for cotton cultivation, and pests such as aphids and bollworms are a smaller problem compared to the China's eastern cotton-growing provinces. Xinjiang was once a minor cotton producer and ranked far behind Hebei, Shandong, and other provinces in eastern and northern China, but the situation is now reversed. Government policy and high procurement prices have encouraged rapid area expansion, and yield has improved with the introduction of better seeds and crop management techniques. Output has risen steadily over the past 10 years, and Xinjiang is now the largest producer of cotton in the country, accounting for 25 percent of China's total harvest. Production in 1997/98 reached a record 5.3 million bales, and output in 1998/99 is expected to equal or exceed last year's crop despite unfavorably cold and wet weather early in the season. **Provincial** agriculture officials predict that Xinjiang will soon achieve its goal of producing 6.9 million bales of cotton each year, lifting its share of national output to more than 40 percent. Upland cotton accounts for about 80 percent of the crop. Only a small amount of longstaple cotton is grown and there are no plans for its expansion. Although cotton is grown

throughout the province, the highest yields come from Kashgar prefecture in western Xinjiang. Last year, Kashgar produced about one third of Xinjiang's output, or more than 8 percent of China's total crop.

Approximately one third of Xinjiang's cotton land is organized into large state farms that are operated by the Production and Construction Corps, a branch of the military. Most of these farms are located in the southern part of the province. The remaining cotton land is leased to individual farm households in units averaging 0.2 to 3.0 hectares. Transportation is difficult and costly because of Xinjiang's large size and distance to the major population centers in the east. For example, cotton from Kashgar must be shipped by truck nearly 1,000 kilometers to the nearest rail junction at Korla, which itself is roughly 3,500 kilometers from Shanghai on the east coast. Because of this added transportation cost, the central government has lowered the selling price for Xinjiang cotton to make it more competitive with cotton grown in other regions. There are very few spinning mills in Xinjiang. Most of the crop is purchased by the provincial Cotton Bureau and shipped to other provinces to be milled and exported.

The Chinese Government will hold a series of conferences over the next few months to decide on next year's area and price targets, which are likely to reflect the government's need to reduce the costs of bringing and storing cotton, while improving the competitiveness of the domestic textile industry. Some officials are concerned that cotton area may have expanded excessively in some areas of Xinjiang, and there are plans to reduce the rate of growth by taking some marginal cotton land out of production.

Grain: Xinjiang is not a major grain producer, but the situation is stable and the province is nearly self-sufficient. Total grain production

in 1997/98 was only 8.3 million tons, less than 2 percent of China's total output. Wheat is the most important grain crop, followed by corn and rice. Most of the grain is grown by farmers for personal consumption, and government-held stocks are very small. Xinjiang reported a good 1998 summer grain crop of 4.6 million tons, despite various weather problems during the growing season, and a good autumn grain crop is anticipated.

Wheat production in 1997/98 reached 4.4 million tons, and a similar output is expected for 1998/99. Area has been gradually declining for several years, but rising yield has led to increased production. Wheat is grown throughout the province, but the highest yields come from the Ili River region in the northwest section of the province. Winter wheat, which is usually double-cropped with cotton or corn, accounts for two thirds of the total crop. Xinjiang is reportedly the only province in China where hard winter wheat is grown. It also produces soft winter wheat and has developed salt-tolerant varieties. Although most wheat is consumed locally and very little sold outside the province, there is talk of possible exports to the former Soviet Union, which could encourage farmers to increase production in the future.

Corn is an insignificant crop in Xinjiang. Although output has increased by 42 percent in the last 5 years, total production is still less than 3.0 million tons. Because of the small size of its poultry and swine industries, production is not expected to increase significantly. Farmers keep most of the output for their own use and sell the surplus to the local Grain Bureaus. A small amount of the crop is sold to surrounding provinces for feed production, alcohol but exports transportation costs make unprofitable.

Despite its rugged climate, rice is grown along

several rivers in Xinjiang where water is abundant and natural conditions are suitable. Production in 1997/98 exceeded 0.5 million tons, and a similar crop is expected in 1998/99. Although this is one of the smallest rice crops of any Chinese province, yield is higher than the national average and Xinjiang is nearly self-sufficient.

Oilseeds: Cottonseed output reached an estimated 2.0 million tons in 1997/98, making it Xinjiang's most important oilseed crop. Unlike cotton, which is purchased by the provincial Cotton Bureau and exported, cottonseed is purchased from farmers by county-level governments and crushed small local mills. About 85 to 90 percent of the crop is crushed for oil and consumed within the province. Sunflowerseed is another important oilseed crop in Xinjiang. It is popular with farmers because prices are high and it can be grown in areas unsuitable for other crops. Production rose 600 percent in the early 1980's before stabilizing between 150,000 and 200,000 tons. Sunflowerseed production hit 180,000 tons in 1997/98, and a similar output is expected in 1998/99. Most of the crop is crushed for oil in a few small mills, but a fair amount is consumed as a snack food. Although soybeans grow well in Xinjiang and yield is higher than the national average, output in 1997/98 was only 82,000 tons. Production is unlikely to increase due to a lack of demand for soybean oil (cottonseed oil and sunflowerseed oil are widely available), an underdeveloped feed industry which uses little soymeal, and higher net returns from many alternative crops.

Other Crops: Xinjiang has an excellent climate for horticulture and a long history of fruit and vegetable production. An estimated 25 percent of China table grapes come from Xinjiang, along with large quantities of nectarines, pears, apples, pomegranates, melons, dried fruit, and greenhouse vegetables.

Sown area has been increasing rapidly for these highly-profitable cash crops. Exports to other parts of China and overseas are also growing, despite Xinjiang's long distance to markets and the cost of transporting fresh produce. Agriculture officials are eager to expand Xinjiang's food-processing industry and introduce new and improved varieties of fruit and vegetables to meet the demands of the national and international markets. Sugar beet production is expected to be near 4.0 million tons in 1998/99, making Xinjiang the second-largest producer after Heilongjiang Province.

<u>Livestock</u>: There are nearly 40 million head of livestock in Xinjiang, including about 27 million sheep, 5.7 million goats, 4.0 million beef and dairy cattle, 1.4 million hogs, 1.0 million horses, and 180,000 camels. Livestock has seen a 10 percent growth rate for the last 3 years, and the number of livestock is increasing by 1 million head per year. The province is self-sufficient in meat, although per capita consumption of 37 kilograms per year is lower than the national average, due in part to the relative shortage of pork and poultry. The dairy industry is gradually developing and there is an active hide and leather industry in the province, although processing facilities are poor and the quality is not up to national standards. Officials would like to increase exports of meat to the Middle East and south China, but Xinjiang lacks the facilities to freeze meat and ship it long distances.

The number of livestock is directly dependent on the size and quality of Xinjiang's grasslands. Although Xinjiang has an estimated 23 million hectares of productive pasture land, overgrazing has become a serious problem in many areas. Rainfall in Xinjiang is often scarce and erratic, and droughts have had a devastating impact on livestock. The province's lush mountain pastures are critically important to livestock producers, who depend

on them for seasonal grazing and winter hay. A small amount of corn and plant residue is also imported for supplemental feeding. Some producers are starting to move livestock into grain-production areas for fattening before slaughter, but the feed industry is still underdeveloped. Provincial officials would welcome foreign investment in Xinjiang's feed and meat-processing industries.

<u>Conclusion</u>: Agriculture in Xinjiang is dominated by three products: cotton, horticulture crops, and range-fed livestock. Cotton has shown the most expansion over the years and is likely to become even more important as production continues to decline in

other areas of the country. Some local agricultural experts warn that Xinjiang is becoming too dependent on cotton and suggest that the province place a greater emphasis on its horticulture sector, where it has a natural comparative advantage. Livestock raising will always be an important activity in Xinjiang, and the province is starting to adopt more efficient feeding practices and address some of the ecological consequences of overgrazing. Xinjiang is working hard to make the best use of its nique agricultural resources and participate more fully in China's national economy.

Paulette Sandene, Regional Analyst

Telephone: (202) 690-0133 E:mail: sandene@fas.usda.gov

WEST AFRICAN GRAIN PRODUCTION

Total grain production in West Africa for 1998/99 is forecast at 32.75 million tons, up from 31.49 million in 1997/98. Area harvested for 1998/99 is forecast at 37.02 million hectares, up from 36.72 million in 1997/98. For the purpose of this article West Africa includes the following countries: Benin, Burkina Faso, Cape Verde, Chad, Cote d'Ivoire, Gambia, Ghana, Guinea, Guinea-Bissau, Liberia, Mali, Mauritania, Niger, Nigeria, Senegal, Sierra Leone, and Togo.

Overall growing conditions in West Africa have been favorable, despite a late start in the season. Grain production increased in Benin, Burkina Faso, Gambia, Mauritania, Niger, Nigeria, and Senegal mainly due to favorable weather conditions. In Cape Verde, Chad, Guinea, Guinea-Bissau, Liberia, Mali, and Togo grain production remained virtually unchanged from last year. Cote d'Ivoire, Ghana, and Sierra Leone all had production deficits due mostly to erratic rainfall.

Benin: Total grain output in Benin for 1998/99 is forecast at 0.65 million tons, up from 0.60 million in 1997/98. Area harvested in 1998/99 is forecast at 0.68 million hectares, up 7 percent from 1997/98. The main grain crops produced are corn and sorghum forecast at 0.50 million and 0.11 million tons, respectively. Widespread rainfall over the entire country in July and August benefitted the crops. Grain production is above normal in the south and north, but slightly below average in the center around Parakou.

Burkina Faso: In Burkina Faso, total grain production for 1998/99 is forecast at 2.47 million tons, up from 1.83 million in 1997/98. Area harvested is forecast at 2.88 million hectares, up 0.10 million in 1997/98. The main grain crops produced are sorghum, millet, and corn forecast at 1.30 million, 0.80

million, and 0.30 million tons, respectively. Rainfall was favorable throughout most of the growing season, but decreased in late-August. September experienced sporadic rainfall, but soil moisture reserves were adequate. Overall crop conditions were good, except in some low-lying areas affected by excess water. Some insect infestation were reported. Disease problems appeared on millet and sorghum in some western provinces.

Cape Verde: Total grain production in Cape Verde for 1998/99 is forecast at 10,000 tons, the same as last year. Area harvested in 1998/99 is forecast at 15,000 hectares, also the same as the previous year. The main grain crop produced is corn forecast at 10,000 tons. Grasshopper infestation developed on most of the islands and caused some damage to the corn crop on Santiago Island.

Chad: In Chad, total grain production for 1998/99 is forecast at 0.80 million tons, unchanged from last year. Area harvested in 1998/99 is forecast at 1.28 million hectares, virtually the same as 1997/98. The main grain crop produced is millet forecast at 0.65 million tons. Most crops were allowed to complete their development with very good rains throughout September. An increase in crop output for the Sahelian Zone and southern Sudania Zone was offset by poor harvests in the western Sudanian Zone. Although grasshoppers were reportedly feeding on millet in several regions, overall, there have been no major problems with pest this season.

Cote d' Ivoire: Total grain production in Cote d'Ivoire for 1998/99 is forecast at 1.08 million tons, down from 1.13 million in 1997/98. Area harvested in 1998/99 is forecast at 1.44 million hectares, down slightly from 1997/98 due to dry weather. The main grain crops produced are corn and rice forecast at 0.62

million and 0.36 million tons, respectively. Rice production declined due to erratic rains in the south of the country. Also, insufficient rains caused many upland rice fields to be abandoned, but production in the northern area of Cote d'Ivoire, about 25 percent of total-rice, production is expected to increase due to favorable rain.

Gambia: In the Gambia, total grain production for 1998/99 is forecast at 94,000 tons, up from 83,000 tons in 1997/98. Area harvested in 1998/99 is forecast at 89,000 hectares, up 6,000 hectares from 1997/98. The main grain crop produced is millet forecast at 50,000 tons. The season started late in July, with rainfall becoming widespread in August and September. The crops developed satisfactorily.

Ghana: Total grain production in Ghana for 1998/99 is forecast at 1.39 million tons, down from 1.58 million in 1997/98. Area harvested in 1998/99 is forecast at 1.18 million hectares, down from 1.27 million in 1997/98. The main grain crops produced are corn and sorghum forecast at 0.85 million and 0.30 million tons, respectively. Rain patterns were erratic for the past three seasons and hampered farming and other agricultural activities. Corn, the most important grain, is grown in all the ecological zones of Ghana. Erratic rains and a decline in soil fertility caused corn production to decline this season. Sorghum and millet are grown mainly in the Savannah Zone of Ghana and with erratic rains, area and yield decreased.

Guinea: In Guinea for 1998/99 grain production is forecast at 0.63 million tons, the same as last year. Area harvested in 1998/99 is forecast at 0.73 million hectares, marginally below last year. The main grain crops produced are rice and millet forecast at 0.45 million and 0.10 million tons, respectively. With abundant and widespread rains, overall crop prospects for the 1998/99 harvest is

favorable.

Guinea-Bissau: Total grain production for 1998/99 is forecast at 0.15 million tons, the same as last year. Area harvested in 1998/99 is forecast at 0.13 million hectares, virtually unchanged from 1997/98. The main grain crops produced are rice and sorghum forecast at 80,000 and 50,000 tons, respectively. Civil disturbances that began in June and ended late-July impeded normal agricultural activities at the critical planting period. Rains remained abundant and widespread over the entire country, leading to desalinization of swamp rice fields and development of the transplanted rice.

Liberia: In Liberia for 1998/99, grain production is forecast at 60,000 tons, unchanged from 1997/98. Area harvested in 1998/99 is forecast at 75,000 hectares unchanged from last season. The main grain crop produced is rice forecast at 60,000 tons. The country had abundant rains during the entire growing season which resulted in a relatively good rice crop. Many of the rural areas of Liberia suffered seed shortages, resulting in limited production.

Mali: Total grain production in 1998/99 is forecast at 1.95 million tons, down marginally from 2.00 million in 1997/98. Area harvested in 1998/99 is forecast at 2.25 million hectares, unchanged from last year. The main grain crops produced are millet, rice, and corn forecast at 1.30 million, 0.35 million, and 0.30 million tons, respectively. Mali's rain-fed and irrigated grain production outlook is good. In the north, the normal production deficit areas of Koulikoro, Kayes, and Mopti Regions harvested an above average crop due to abundant rainfall. However, in the normal production surplus area of Segon Region, poorly distributed rains resulted in a below average harvest. There are reports that a considerable amount of grain eating birds are

affecting the millet crop in the border areas of Mali.

Mauritania: In Mauritania for 1998/99 grain production is forecast at 0.15 million tons, up from 0.10 million in 1997/98. Area harvested in 1998/99 is forecast at 0.20 million hectares, up slightly from 1997/98. The main grain crop produced is sorghum forecast at 0.10 million tons. Most rain-fed upland crops that account for nearly half of the country's grain production are estimated to produce an average harvest due to late rains at planting. However with no major pest damage and better crop management, the irrigated grain crops increased along the Senegal River.

Niger: Total grain production in 1998/99 is forecast at 2.32 million tons, up from 2.20 million in 1997/98. Area harvested in 1998/99 is forecast at 6.63 million hectares, up from 6.53 million in 1997/98. The main grain crops produced are millet and sorghum forecast at 1.85 million and 0.43 million tons, respectively. According to the Ministry of Agriculture, crop development was good and the only district that is expected to have below normal production is Madaoua. Late-planted crops were stressed by low rains and high temperatures in some districts, but widespread rainfall helped the crops recover.

Nigeria: In Nigeria, total grain production for 1998/99 is forecast at 19.27 million tons, up 0.60 million from 1997/98. Area harvested in 1998/99 is forecast at 17.18 million hectares, up marginally from last season. The main grain crops produced are sorghum, millet, corn, and rice forecast at 7.3 million, 5.2 million, 4.9 million, and 1.9 million tons, respectively. Sorghum, the most widely cultivated grain in Nigeria, occupies over 40 percent of area devoted to grains. Area cultivated increased 2 percent and a lack of fertilizer caused a small shift in the corn growing areas to sorghum. Rice cultivation in

Nigeria is widespread, but production is constrained by a lack of good quality seed, as well as poor harvesting, and processing procedures. Corn is a very important crop that is grown in all five of the agro-ecological zones of the country. Corn yield has stagnated as inadequate amounts of fertilizer is available for farmers' use; however, use of hybrid varieties are increasing.

Senegal: Total grain production for 1998/99 is forecast at 0.86 million tons, up from 0.70 million in 1997/98. Area harvested is forecast at 1.24 million hectares, up from 1.11 million in 1997/98. The main grain crops produced are millet and sorghum forecast at 0.55 million and 0.11 million tons, respectively. Grain production increased due to favorable weather conditions despite a delay in the rainy season. Rice production is increasing especially along the Senegal River Valley due to increasing yields in irrigated areas and positive changes in the country's agriculture policy. In the Casamance region, the second largest rice producing area, farming is mainly subsistence and is continuously being hampered by civil disturbance.

Sierra Leone: In Sierra Leone, total grain production for 1998/99 is forecast at 0.24 million tons, down from 0.28 million in 1997/98. Area harvested in 1998/99 is forecast at 0.30 million hectares, the same as the previous year. The main grain crop produced is rice forecast at 0.21 million tons. Grain production is estimated to decline this year due to continuous insecurity in rural areas and population displacement during the country's growing season. An acute rice seed shortage has further limited production in the country.

<u>Togo</u>: Total grain production for 1998/99 is forecast at 0.66 million tons, unchanged from 1997/98. Area harvested in 1998/99 is forecast at 0.73 million hectares, the same as

last year. The main grain crops produced are corn and millet forecast at 0.45 million and 0.18 million tons, respectively. The millet and

corn crops benefitted from good growing conditions this year and as a result production was near normal.

Theresa Wright, Regional Analyst Telephone: (202) 720-8887

E:mail: wrightt@fas.usda.gov

TABLE 21

	1989/90	WEST 1990/91	AFRICA: 1991/92	AREA, YIE 1992/93	LD AND 1993/94	1994/95 19	1995/96	1996/97	1997/98	1998/99
Benin										
AREA (1,000 Ha) YIELD (Mt/Ha)	490 0.88	480 0.80 385	0.79	470 0.98 460	1.00	1.02	1.13	1.11	1.00	1.02
,000 it/Ha	35 0.86 30	0.89 3.1	0.87 33 33	0.65 0.65 26	36 0.67 24	37 0.68 25	35 0.71 25	35 0.71 25	35 0.71	35 0.71 25
Rice, Milled AREA (1,000 Ha) YIELD (Mt/Ha) PROD (1,000 Mt)	0.88	0.86	0.86	7 0.86 6	7 0.86 6	0.88	1.10	1.23	1.00	1.00
Sorghum AREA (1,000 Ha) YIELD (Mt/Ha) PROD (1,000 Mt)	120 0.75 90	131 0.76 100	135 0.78 105	143 0.77 110	138 0.76 105	145 0.78 113	140 0.79 110	145 0.76 110	135 0.81 110	140
Total Grains AREA (1,000 Ha) YIELD (Mt/Ha) PROD (1,000 Mt)	653 0.85 557	653 0.80 522	660 0.79 524	660 0.91 602	681 0.93 635	670 0.95 635	715 1.04 746	643 1.01 651	630 0.94 595	675 0.96 645
Corn AREA (1,000 Ha) YIELD (Mt/Ha) PROD (1,000 Mt)	174	165 0.73 120	250 1.00 250	252 1.35 341	197 1.38 271	218 1.61 350	160 1.31 210	230 1.30 300	170 1.29 220	1.30
AREA (1,000 Ha) YIELD (Mt/Ha) PROD (1,000 Mt)	1,100 0.61 675	1,000 0.58 580	1,150 0.74 850	1,204 0.65 785	1,293 0.70 899	1,312 0.63 831	1,150 0.63 730	1,200 0.67 800	1,150	1,200
AREA (1,000 Ha) YIELD (Mt/Ha) PROD (1,000 Mt)	1.35	1.35	0.80 20	25 0.80 20	35 1.00 35	30 1.33 40	35 1.57 55	1.25	1.30	1.30
AREA (1,000 Ha) YIELD (Mt/Ha) PROD (1,000 Mt)	1,295 0.78 1,009	1,190 0.69 820	1,300 0.85 1,100	1,400	1,476 0.89 1,310	1,549 0.80 1,232	1,600 0.79 1,270	1,600 0.78 1,250	1,400 0.67 940	1,400
Total Grains AREA (1,000 Ha) YIELD (Mt/Ha) PROD (1,000 Mt)	2,589 0.73 1,901	2,375 0.65 1,547	2,725 0.81 2,220	2,881 0.85 2,438	3,001 0.84 2,515	3,109 0.79 2,453	2,945 0.77 2,265	3,090 0.78 2,425	2,770 0.66 1,825	2,880 0.86 2,465

Production Estimates and Crop Assessment Division, FAS, USDA

		WES	WEST AFRICA:	AREA, YIEL	IELD AND	PRODUCTION	NOI			
	1989/90	1990/91	1991/92	1992/93	1993/94	1994/95	1995/96	1996/97	1997/98	1998/99
Cape Verde										
Corn AREA (1,000 Ha)	10	15	S.	20	10	10	15	15	15	15
YIELD (Mt/Ha) PROD (1,000 Mt)	0.70	0.67	0.80	0.50	1.20	0.00	0.67	0.67	0.67	0.67
Total Grains	01	T.		00	-	•	15	4	15	7
Ta	0.70	0.67	0.80	0.50	1.20	0.90	0.67	0.67	0.67	0.67
PROD (1,000 Mt)	7	10	7	10	12	တ	10	9	9	10
Chad										
AREA (1,000 Ha)	20	62	79	20	69	111	70	85	80	80
Ta	0.64	0.65	0.89	1.29	1.45	0.85	0.86	0.88	1.00	1.00
PROD (1,000 Mt)	45	40	20	06	100	94	09	75	80	80
AREA (1.000 Ha)	975	096	1.100	1.090	1.090	1.197	1.150	1.150	1.125	1.135
YIELD (Mtha)	29.0	0.47	0.61	0.62	0.50	0.57	0.58	0.57	0.58	0.57
PROD (1,000 Mt)	650	450	029	089	540	989	899	650	029	650
AREA (1,000 Ha)	25	40	50	55	50	55	50	55	09	09
YIELD (Mt/Ha)	09.0	1.00	1.00	1.09	0.50	1.09	06.0	1.00	1.00	1.00
PROD (1,000 Mt)	15	40	20	09	25	09	45	55	09	09
Wheat ARFA (1,000 Ha)	4	7	r:	4	4	4	4	4	4	
YIELD (Mt/Ha)	1.50	1.50	1.33	1.50	1.50	1.50	1.50	1.50	1.50	1.50
PROD (1,000 Mt)	9	9	4	9	9	9	9	9	9	9
Total Grains										
AREA (1,000 Ha)	1,074	1,066	1,232	1,219	1,213	1,367	1,274	1,294	1,269	1,279
YIELD (Mt/Ha)	0.67	0.50	0.64	69.0	0.55	0.62	0.61	0.61	0.63	0.62
PROD (1,000 Mt)	716	536	794	836	671	846	779	286	962	962

TABLE 21 (CONTINUED)

		WEST	T AFRICA:	AREA, YIE	9	AND PRODUCTION	NOI			
	1989/90	1990/91	1991/92	1992/93	1993/94	1994/95	1995/96	1996/97	1997/98	1998/99
Cote d'Ivoire										
AREA (1,000 Ha) YIELD (Mt/Ha) PROD (1,000 Mt)	650 0.82 530	620 0.79 490	650 0.83 540	625 0.79 495	660 0.82 540	675 0.83 560	685 0.87 595	690 0.90 620	700 0.91 640	690 0.90 620
Millet AREA (1,000 Ha) YIELD (Mt/Ha) PROD (1,000 Mt)	75 0.68 51	80 0.70 56	0.72	81 0.70 57	83 0.63 52	85 0.64 54	88 0.68 60	90 0.72 65	95 0.74 70	95 0.74 70
Rice, Milled AREA (1,000 Ha) YIELD (Mt/Ha) PROD (1,000 Mt)	620 0.65 400	625 0.63 394	630 0.63 398	615 0.62 380	625 0.62 387	635 0.63 398	645 0.64 410	680 0.65 445	650 0.60 390	0.60
Sorghum AREA (1,000 Ha) YIELD (Mt/Ha) PROD (1,000 Mt)	0.69 31	0.70	0.71	0.67	0.63	0.60	53 0.51 27	55 0.55 30	58 0.52 30	0.52
Total Grains AREA (1,000 Ha) YIELD (Mt/Ha) PROD (1,000 Mt)	1,390 0.73 1,012	1,371 0.71 972	1,410 0.73 1,031	1,366 0.70 962	1,416 0.71 1,009	1,445 0.72 1,042	1,471 0.74 1,092	1,515 0.77 1,160	1,503 0.75 1,130	1,443 0.75 1,080
Corn AREA (1,000 Ha) YIELD (Mt/Ha) PROD (1,000 Mt)	1.79	1.33	1.46	1.42	15 1.60 24	1.38	1.33	1.33	1.00	1.33
AREA (1,000 Ha) YIELD (Mt/Ha) PROD (1,000 Mt)	45 1.22 55	43 1.16 50	44 1.23 54	1.12	1.02 52	49 1.10 54	1.10 55	1.10 55	1.00	1.00
AREA (1,000 Ha) YIELD (Mt/Ha) PROD (1,000 Mt)	1.04 26	1.00	1.00	1.09	1.00	1.08	1.08	1.00	1.00	1.00
AREA (1,000 Ha) YIELD (Mt/Ha) PROD (1,000 Mt)	1.50	0.92	1.00	0.92	1.13	1.09	1.08	1.08	1.00	1.00
Total Grains AREA (1,000 Ha) YIELD (Mt/Ha) PROD (1,000 Mt)	94 1.29 121	1.11	92 1.17 108	1.13 87	1.13 93	88 1.15 101	113	1.12	1.08	1.06

TABLE 21 (CONTINUED)

		WEST	T AFRICA:	AREA, YIE	CD	AND PRODUCTION	NO			
	1989/90	1990/91	1991/92	1992/93	1993/94	1994/95	1995/96	1996/97	1997/98	1998/99
Guinea-Bissau										
Corn AREA (1,000 Ha)	30	35	32	10	13		15	15	15	15
YIELD (Mt/Ha) PROD (1,000 Mt)	0.83	0.66	0.71	1.00	1.00	1.08	1.00	15	1.00	1.00
AREA (1,000 Ha)	120	120	125							
YIELD (Mt/Ha) PROD (1,000 Mt)	104	104	107	1.25	1.14	1.31	1.32 86	1.31	1.14	1.23
Sorghum ARFA (1 000 Ha)	30	30	50	40	50	45	50	50	50	50
Mt/Ha 1,000	0.83	0.83	0.80	0.85	0.80	1.22	1.02	1.00	1.00	1.00
Total Grains										
	180	185	210	115	134	123	130	130	135	130
YIELD (MVHa) PROD (1,000 Mt)	0.86	152	172	1.09	134	1.25	1.17	1.15	1.07	1.12
1										
Kice, Milled	235	175	165	170	9	45	50	75	75	75
YIELD (Mt/Ha)	0.71	0.72	0.73	0.36	0.65	0.44	0.70	0.80	0.80	0.80
Total Grains	001	071	071	5	S C	2	S	3	2	
	235	175	165	170		45	20	22	75	75
	0.71	0.72	0.73	0.36	0.65 39	0.67	0.70	0.80	0.80	0.80
Corn ARFA (1,000 Ha)	175	175	190	190	257	284	235	205	200	200
Mt/Ha	1.31	1.29	1.58	1.39	1.10	1.13	1.23	1.29	1.50	1.50
Millet	730	c77	300	702	783	320	067	765	300	300
AREA (1,000 Ha)	1,500	1,600	1,700	1,924	2,286	2,381	2,300	2,150	1,700	1,700
PROD (1,000 Mt)	1,350	1,400	1,650	1,184	1,400	1,604	1,460	1,500	1,300	1,300
Rice, Milled	235	240	250	257	258	284	280	300	350	350
МґНа	0.77	0.76	1.18	1.03	1.09	1.09	1.07	1.03	1.14	1.00
PROD (1,000 Mt)	180	182	295	265	282	310	300	310	400	350
l otal Grains AREA (1,000 Ha)	1,910	2,015	2,140	2,371	2,801	2,949	2,815	2,655	2,250	2,250
	0.92	0.90	1.05	0.72	0.70	0.76	0.73	0.78	0.89	1 950
-				No.						

December 1998

		WEST	AFRICA:	AREA, YI	TELD AND	PRODUCT	N O			
	1989/90	1990/91	1991/92	1992/93	1993/94	1994/95	1995/96	1996/97	1997/98	1998/99
Mauritania										
		,		,						
AREA (1,000 Ha)	٠ ا	- 0	ကျ	4 !	o į	13	m 9	es (က	0
YIELD (Mt/Ha)	0.67	1.00	0.67	0.75	1.1/	0.46	1.00	1.00	1.00	1.00
Millet	7	-	7	n		٥	יי	γ)	77	7
ARFA (1 000 Ha)	25	24	24	25	25	25	25	25	23	25
YIELD (Mt/Ha)	0.56	0.54	0.54	09.0	09.0	09.0	0.40	0.40	0.43	0.40
PROD (1,000 Mt)	14	13	13	15	15	15	10	10	10	10
Rice, Milled										
ARÉA (1,000 Ha)	11	10	10	12	22	19	20	20	20	20
a	2.82	2.10	2.10	2.92	2.00	1.89	1.85	1.85	1.75	1.75
PROD (1,000 Mt)	31	21	21	35	44	36	37	37	35	35
9	7.70	C	4	700	4.70	0.00	240		7.70	4
AKEA (1,000 Ha)	140	90	071	001	001	CC7	240	730	140	150
PROD (1.000 Mt)	105	50	90.0	50	0.33 92	147	160	145	50	100
Total Grains										
ARFA (1 000 Ha)	179	125	157	141	209	312	294	248	186	198
T.	0.85	0.68	0.61	0.73	0.76	0.65	0.71	0.79	0.53	0.75
PROD (1,000 Mt)	152	85	96	103	158	204	210	195	86	148
Niger										
Millet										
AREA (1,000 Ha)	3,385	3,200	3,500	4,989	4,6/5	4,900	4,700	4,800	5,100	5,200
TIELD (MUHA)	1 203	1 1 2 2	1 700	0.50	1 658	1 725	1 800	1 850	1 725	1 850
Rice Milled	2,500	201,1	2,1	2,00	000.	1,120	200,-	000,-	1,123	200-
AREA (1,000 Ha)	35	32	30	30	30	35	30	30	30	30
a	1.49	1.50	1.33	1.33	1.33	1.29	1.53	1.53	1.50	1.50
PROD (1,000 Mt)	52	48	40	40	40	45	46	46	45	45
Sorghum						ì.				
AREA (1,000 Ha)	1,250	1,300	1,400	1,500	1,300	1,300	1,500	1,500	1,400	1,400
<u>m</u> ,	0.36	0.32	0.39	0.26	0.32	0.32	0.20	0.27	0.30	0.30
PROD (1,000 Mt)	452	415	250	387	421	420	307	400	425	475
Total Grains						 				
AREA (1,000 Ha)	4,670	4,532	4,930	6,519	6,005	6,235	6,230	6,330	6,530	6,630
YIELD (MICHA)	0.38	0.35 1.50e	0.46	0.34	0.35	0.35	0.35	0.36	0.34	0.35
רואו סטטיון) מסטיון	1,52,6	0,000	6,430	7,77	6113	2,130	2,133	6,430	2,133	2,020

Production Estimates and Crop Assessment Division, FAS, USDA

Vigeria)			HEED AIND LINGUIGHT		į			
Mucha 1,300 2,969 3,333 3,371 1,81 1,83 1,83 1,83 1,43 1,42 1,42 1,400 1,300 5,810 5,840 4,500 4,500 4,700 5,800 5,800 5,800 5,800 5,800 4,700 4,800 4,700 5,8		1989/90	1990/91	1991/92	1992/93	1993/94	1994/95	1995/96	1996/97	1997/98	1998/99
Minche Continue	Nigeria										
With Hale 0.95 1.96 1.77 1.81 1.83 1.83 1.43 1.42 1.400	AREA (1.000	2.000	2,969	3,393	3,371	3.482	3,500	3,550	3.500	3.450	3.400
1,900 M 1,900 5,810 5,840 5,771 6,291 6,477 6,500 5,000 4,900	(Mt/Ha	0.95	1.96	1.72	1.71	1.81	1.83	1.83	1.43	1.42	1.44
1,000 Ha 3,900 3,900 4,200 4,800 4,860 4,700 5,500 5,500 5,500 1,000 1,000 Ha 3,900 3,900 4,000 4,	PROD	1,900	5,810	5,840	5,771	6,291	6,417	6,500	2,000	4,900	4,900
With Hale 1,000 Mith 1,00	AREA (1,000	3,900	3,900	4,200	4,600	4,850	4,700	5,500	2,600	5,500	5,500
1,000 Mt) 3,800 3,800 4,100 4,500 4,500 4,750 5,500 5,300 5,300 5,000 ed	-	0.97	0.97	0.98	0.98	0.95	1.01	1.00	0.95	0.91	0.95
1,000 Ha 0,844 1,228 1,370 1,482 1,214 1,666 1,700 1,658 1,650 1,100 1,000 1	PROD (1,000 Mt)	3,800	3,800	4,100	4,500	4,600	4,750	2,500	2,300	2,000	5,200
MUMHa) 0.84 2,507 2,32 2,36 1,38 1,18 1,17 1,1000 Mt) 5,40 2,500 3,485 3,500 2,182 2,200 2,260 1,950 1,950 1,000 Mt) 1,000 Mt) 3,500 4,185 4,346 4,437 6,176 6,500 6,400 6,500 6,500 1,000 Mt) 3,500 4,185 4,346 4,437 6,176 6,500 6,500 6,500 6,500 6,500 1,000 Mt) 3,500 4,185 4,346 4,437 6,176 6,500 6,500 6,500 6,500 6,500 1,000 Mt) 1,000	AREA (1,000 Ha)	640	1,208	1,370	1,482	1,214	1,666	1,700	1,658	1,650	1,650
1,000 Mit)	YIELD (Mt/Ha)	0.84	2.07	2.32	2.36	7.80	1.32	7.33	1.18	1.12	1.12
(1,000 Mt)	orahur	2	2,300	2,163	2,300	7,102	2,200	7,200	000.1	000,1	000,1
With (Ha) 3,500 4,185 4,346 4,437 6,106 6,100 6,500 6,107 6,107 1,000 Miltital) 1,000 Miltital)	AREA (1	4,400	4,400	6,014	5,973	5,848	6,500	6,400	6,450	6,500	009'9
(1,000 Ha) (1,200 Ha)	52	3.500	0.95	0.72	0.74	1.06	1.00	1.02	1.02	1.07	7 300
(1,000 Ha) (1,500 Ha) (1,501 Ha)		,,	7,	2	,	6,5	,	99,5	0,0	0,0	200.5
Machalatical (1) 1.20 0.83 1.20 1.30 1.20 1.30 1.20 1.37 1.30 1.30 1.30 1.30 1.31 1.31 1.31 1.323 1.7,130 <td>-</td> <td>20</td> <td>09</td> <td>200</td> <td>30</td> <td></td> <td></td> <td>30</td> <td>30</td> <td>30</td> <td>30</td>	-	20	09	200	30			30	30	30	30
1,000 Ha 10,990 12,537 15,027 15,456 15,419 16,391 17,180 17,238 17,130 1,000 Mth 1,000 Mth 1,11 1,000 Mth 1,11 1,000 Mth 1,000 Mth 1,128 1,253 1,113 1,000 Mth 1,015 1,015 1,015 1,015 1,000 Mth 1,015		09	0.83	09.1	1.33	-		1.67	1.17	30	0.67
(1,000 Ha) (0,990 12,537 15,027 15,456 15,419 16,391 17,180 17,238 17,130 1,000 Mt) (0,89 12,537 15,027 15,137 18,248 19,278 19,897 20,810 17,238 17,130 1,000 Mt) (16,345 17,131 18,248 19,278 19,897 20,810 18,885 18,710 1,000 Mt) (1,131 1,1	Total Grains										
1,000 Mt)	AREA (1,000 Ha)	10,990	12,537	15,027	15,456	15,419	16,391	17,180	17,238	17,130	17,180
1,000 Ha) 100 116 90 105 108 110 100 85 60 1,000 Mt) 131 1.14 1.10 1.28 1.00 1.05 1.06 1.00<	and Ottomore	6.0 6.800	16,345	17,531	18,248	o	19,897	20,810	18,885	18,710	19,270
(1,000 Ha) (1,000 Ha) (1,000 Ha) (1,15) (1,14) (1,16) (1,18) (1,10) (1,05)	Senegal										
YIELD (MIVHa) 1,35 1,14 1,14 1,10 1,28 1,00 1,05 1,06 1,00	2	100	116	00	105	108	110	100	0	03	a c
PROD (1,000 Mt) 131 133 103 115 138 110 105 90 60 60 60 60 60 60 60 60 60 60 60 60 60	2	131	1,15	1,14	110	1.28	1.00	1,05	106	100	1.06
MREA (1,000 Ha) 953 865 879 774 978 936 890 975 850 050 050 0.67 0.59 0.67 0.59 0.75 0.62 0.50 0.50 0.67 0.59 0.67 0.59 0.75 0.65 0.65 0.65 0.65 0.65 0.65 0.65 0.6	0	131	133	103	115	138	110	105	06	09	06
FIGE (With a) 0.67 0.59 0.67 0.59 0.75 0.50 0.50 0.50 0.75 0.50 0.50 0.50	/1 000	953	200	870	77.4	978	926	800	976	040	040
PROD (1,000 Mt) 639 514 593 446 657 548 670 600 425 ce, Milled AREA (1,000 Mt) 1.62 1.73 1.74 1.58 1.31 1.31 1.33 1.38 1.38 1.38 1.38 1.3	(Mf/Ha	0.67	0.59	0.67	0.58	0.67	0.59	0.75	0.62	0.50	0.58
ice, Milled AREA (1,000 Ha) 1.62 1.62 1.73 1.74 1.58 1.31 1.30 1.33 1.38 1.38 1.62 1.62 1.77 1.33 1.38 1.38 1.62 1.62 1.77 1.73 1.74 1.58 1.31 1.30 1.31 1.62 1.77 1.33 1.38 1.38 1.01 1.26 1.05 1.00 1.00 1.00 1.00 1.00 1.00 1.00	PROD (639	514	593	446	657	548	029	009	425	550
AREA (1,000 Mt) 1.62 1.62 1.73 1.74 1.58 1.31 1.31 1.33 1.33 1.38 PROD (1,000 Mt) 1.32 1.73 1.74 1.58 1.31 1.31 1.33 1.33 1.33 1.33 1.33 1.33 1.33 1.33 1.33 1.33 1.33 1.33 1.33 1.33 1.33 1.33 1.34 1.35 1.31 1.31 1.31 1.32 1.33 1.33 1.33 1.33 1.33 1.33 1.33 1.33 1.33 1.33 1.33 1.34 1.35 1.30 1.	ice, Mi	12	12	1	o o	C	C	1	1	1	1
PROD (1,000 Mt) 118 116 126 139 136 105 100 97 101 orghum AREA (1,000 Ha) 132 173 100 131 126 142 148 150 130 130 130 127 147 78 117 98 1,23 1,23 1,113 140 1,000 Ha) 1,258 1,227 1,142 1,090 1,029 886 1,005 917 696 PROD (1,000 Mt) 1,015 912 900 817 1,029 886 1,005 917 696	VIELD (M#H2)	1 63	1 63	172	1 74	1 28	1 21	1 30	1 22	1 28	1 52
orghum AREA (1,000 Ha) 132 173 100 131 126 142 148 150 130 130 AREA (1,000 Ha) 0.96 0.85 0.78 0.78 0.89 0.78 0.78 0.89 0.78 0.89 0.78 0.89 0.78 0.89 0.78 0.89 0.78 0.89 0.78 0.89 0.78 0.89 0.88 0.87 0.85 0.85 0.85 0.85 0.87 0.85 0.85 0.85 0.85 0.87 0.85 0.85 0.85 0.87 0.85 0.85 0.85 0.71 0.81 0.74 0.79 0.75 0.79 0.89 0.75 0.79 0.75 0.79 0.80 0.71 0.63 0.71 0.63 0.71 0.63 0.71 0.63 0.71 0.63 0.71 0.63	PROD	118	118	126	139	136	105	100	26	101	111
PROD (1,000 Ha)	orghum		713	400	707	400	4	7.50	7	7	7
PROD (1,000 Mt) 127 147 78 117 98 123 130 1.00 1.00 1.00 Mt) 127 147 78 117 98 123 1.20 1.00 Mt) 1,258 1,227 1,1142 1,090 1,298 1,268 1,215 1,283 1,113 1 0.63 1,015 912 900 817 1,029 886 1,005 917 696		737	2/1/3	100	131	126	142	148	150	130	130
tal Grains AREA (1,000 Ha) 1,258 1,227 1,142 1,090 1,298 1,268 1,215 1,283 1,113 1 YIELD (Mt/Ha) 0.81 0.74 0.79 0.75 0.79 0.70 0.83 0.71 0.63 PROD (1,000 Mt) 1,015 912 900 817 1,029 886 1,005 917 696		127	147	78	117	086	123	130	130	110	110
(1,000 Ha) 1,258 1,227 1,142 1,090 1,298 1,268 1,215 1,283 1,113 1 (Mt/Ha) 0.81 0.74 0.79 0.75 0.79 0.70 0.83 0.71 0.63 (1,000 Mt) 1,015 912 900 817 1,029 886 1,005 917 696	tal Grai										
(MUTHA) 0.81 0.74 0.75 0.79 0.79 0.70 0.83 0.71 0.63 (1,000 Mt) 1,015 912 900 817 1,029 886 1,005 917 696	3000000	1,258	1,227	1,142	1,090	1,298	1,268	1,215	1,283	1,113	1,238
	-	1.015	912	900	0.75 817	1,029	0.7.0 886	1,005	917	696 696	861

Production Estimates and Crop Assessment Division, FAS, USDA

1.18 0.92 0.85 0.86 0.90 1.00 1.00 1.00 1.00 1.00 1.00 1.00		1080/00	WEST	FAFRICA:	AREA, YI	IELD AND	PRODUCT	10N 199 <i>6</i> /96	1006/07	4007/00	00/8001
(a) (b) (a) (b) (a) (a) (a) (a) (a) (a) (a) (a) (a) (a	Sierra l eone	000000	100001	7011001	201700	10000	001	OCIOCO-	Teloce!	0011661	CCIOCCI
1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	040	1.09	<u> </u>	0.92	0.85	0.86	0.90	1.00	1.00	1.00	
00 Ha) 370 310 255 354 382 328 230 290 275 (ah) 0.84 0.77 0.94 0.81 0.76 0.74 0.74 0.74 0.94 0.91 0.0H4) 310 240 240 0.81 0.77 0.77 0.83 0.92 0.0H4) 345 264 268 316 318 0.77 0.77 0.83 2.99 0.0H4) 345 264 268 316 327 277 0.77 0.83 2.99 0.0H4) 1.44 1.47 1.62 1.53 1.47 0.87 2.60 2.75 0.0H4) 1.44 1.47 1.47 0.87 1.08 1.18 1.0 Mt) 2.50 2.0 2.20 2.20 2.20 2.25 4.00 1.18 1.0 Mt) 1.0 M	040	1.35	50.7	1.21	1.21	1.21	1.29	1.07	1.07	1.07	1.07
00 Ha) 398 33.1 281 381 4410 352 252 314 299 0 Mt) 345 0.86 0.85 0.83 0.78 0.77 0.77 0.83 0.92 0 Mt) 345 0.80 0.95 0.85 0.83 0.78 0.77 0.77 0.83 0.92 0 Mt) 220 150 150 150 150 150 150 150 150 150 15	040	370 0.84 310	310 0.77 240	255 0.94 240	354 0.81 287	382 0.76 292	328 0.74 243	230 0.74 170	290 0.81 235	275 0.91 250	275 0.76 210
100 Ha) 200 150 150 150 150 162 150 170 260 380 380 14a) 1.44 1.47 1.62 1.93 1.95 1.47 0.87 1.05 1.18 10 Mt) 287 220 270 280 346 275 350 325 300 10 Mt) 250 0.78 0.63 0.67 0.67 0.47 0.57 0.49 0.60 10 Mt) 22 22 22 23 28 41 40 55 0.60 1a) 0.59 0.59 0.65 0.71 0.61 0.63 0.73 0.60 1a) 1.17 1.05 0.59 0.65 0.71 0.61 0.63 0.73 0.60 10 Mt) 472 4427 4453 574 486 650 760 0.79 0.90 8 0.77 0.93 0.94 32,724 33,462	Total Grains AREA (1,000 Ha) YIELD (MT/HA) PROD (1,000 Mt)	398 0.87 345	331 0.80 264	281 0.95 268	381 0.83 315	410 0.78 321	352 0.77 270	252 0.77 193	314 0.83 260	299 0.92 275	299 0.79 235
100 Mt) 250 200 270 280 346 275 350 325 300 100 Mt) 250 156 0.78 0.63 0.67 0.67 0.69 0.60 160 180 180 1.00 Mt) 250 156 0.78 0.63 0.67 0.69 0.60 160 180 180 1.00 Mt) 250 0.59 0.59 0.65 0.71 0.65 0.71 0.61 0.63 0.72 0.90 1.06 0.83 0.69 0.79 0.90 1.06 1.00 Mt) 250 32,444 34,768 35,188 36,714 37,298 37,650 36,722 37 0.86 1.00 Mt) 22,72 26,651 30,590 30,740 32,724 33,462 34,388 32,854 31,486 32 1.00 Mt) 21,722 26,651 30,590 30,740 32,724 33,462 34,388 32,854 31,486 32	040	200 1.44 287	150 1.47 220	150 1.62 243	150 1.93 290	200 1.95 390	1.47 250	260 0.87 225	380 1.05 400	380 1.18 450	380 1.18 450
20 Ha) 22 22 22 22 22 22 22 22 22 22 22 22 25 40 55 50 10 Mt) 0.59 0.59 0.65 0.77 0.69 0.79 0.90 10 Mt) 472 372 442 453 574 486 650 760 730 10 Mt) 550 389 427 492 611 405 450 600 660 3 550 389 427 492 611 405 450 600 660 3 8 427 492 611 405 450 600 660 3 8 32,444 34,768 35,188 36,714 37,298 37,650 36,722 37,486 32 9 0.77 0.93 0.91 0.91 0.92 0.87 0.86 0.86 0.87 0.86 32,486 31,486 32,486	AREA (1,000 Ha) YIELD (Mt/Ha) PROD (1,000 Mt)	250 1.00 250	200 0.78 156	270 0.63 171	280 0.67 187	346 0.58 201	275 0.47 130	350 0.57 200	325 0.49 160	300	300
00 Ha) 472 372 442 453 574 486 650 760 730 1.17 1.05 0.97 1.09 1.06 0.83 0.69 0.79 0.90 1.17 1.05 0.97 1.09 1.06 0.83 0.69 0.79 0.90 1.17 1.05 0.97 1.06 0.83 0.69 0.90 0.90 1.10 Mt) 28,628 32,444 34,768 35,188 36,714 37,298 37,650 36,722 37 1.10 Mt) 21,722 26,651 30,590 30,740 32,724 33,462 34,388 32,854 31,486 32	040	0.59	0.59	0.59	0.65	0.71	0.61	0.63 25	55 0.73 40	0.60	0.60
S 500 Ha) 28,051 28,628 32,444 34,768 35,188 36,714 37,298 37,650 36,722 37 Ha) 0.77 0.93 0.94 0.88 0.93 0.91 0.92 0.87 0.86 Ha) 0.77 22,6,651 30,590 30,740 32,724 33,462 34,388 32,854 31,486 32	9 2 9	472 1.17 550	372 1.05 389	442 0.97 427	453 1.09 492	574 1.06 611	486 0.83 405	650 0.69 450	760 0.79 600	730 0.90 660	730 0.90 660
	Total Grains AREA (1,000 Ha) YIELD (Mt/Ha) PROD (1,000 Mt)	28,051 0.77 21,722	28,628 0.93 26,651	32,444 0.94 30,590	34,768 0.88 30,740	35,188 0.93 32,724	36,714 0.91 33,462	37,298 0.92 34,388	37,650 0.87 32,854	36,722 0.86 31,486	37,016 0.88 32,754

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